tcagttgcag aacttttgag gatgacatgc ttgaagtggg gtacctgaat gtttttatga 480

caaaaatctg cttccttttt gggt 504

<210> 5909
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e08b1

<400> 5909

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gtcatccagg agtacgagtc aggcaaggct atcccaaacc aacagatcat tggcaagctg 120

gaaagggctc ttggcacaaa gctgcgaggc aagaagtgaa gccgcgtgca tttgacagga 180

atttaggctt taagaaagct tggttgggca agtttaccgc taaataaagc ttgtctacta 240

aatcatgcga cttaagaaaa ccctggagtt tggcattttg ctcaagtttg ggtgaatggt 300

attattagcc ttctgtgaac aacttctgta tctggggt 338

<210> 5910
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e11b1

<400> 5910

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ggccaggttg gaaggatcaa gcaaaaacgt ggctacaaag accagtggcc ctggaacata 120

aaaatctaca ctgatgattc tgggaaagcc aaaggagatg cttgccttgc ttatgaagat 180

ccttctgctg ctcattcagc tggtggattc tacaacgatt atgacatgag aggccgtaaa 240

attagtgttg tgatggctga gaaatcagca cctagagctc ctacatctgg tcatggaggc 300

ggacgtggtg gaggcggcgg ctatggcggg gatagacgca tagatggagg aggccatggg 360

cctaacagaa acca 374

<210> 5911
<211> 400
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316014f01b1

<400> 5911

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caactcttgg tcaatgtgga tgaggaaact gacctgaaac atcctatttc cttcacgtat 120

aaatgggttc ctcctgcgga tgataaggat gaagatcgcc gtcagcccaa gggccttaac 180

tttctncatg atgccaacct gccggtgatc tacaagcagg ccttcaacat ctactggact 240

agggtcagtt tgagccttca cgagctcgac atcggagcca gcactctaca tgcttatcga 300

cgcggtggcc atcgaggtcc aacttgttcg gaaatatttg tcggagtaat ggatgtatct 360

atacgcattt tagttttaga cacatccatt tttatgcatt 400

<210> 5912
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f03b1

<400> 5912

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taaagtccaa gtgactataa aagaaacaac aaaaacatag ttaaatgtat aaaattacgc 180

agcttttccc ccaccactgg tgggggttt tgtagctgac cccttaggaa aacaattctt 240

ctattgtttg ctagatacgt tatgagacgg acctgtttaa ggggccgctc cattttgaa 300

gctaacaaac ttttaagtcg ttgatttgcc tgccatttga agacttcctt actgcatttg 360

ctctggttta ttttactgca tttgcggctg tttttattgc taatatttaa tctttcttaa 420

cactattcta tcacaccttt tctattattc ttactttctt ttttctacat taa 473

<210> 5913
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f04b1

<400> 5913

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agaagaacag cctctccaag cggaagaagc agcacgagtt cgacctccag agggagaaga 120

aggccaagga ggagcaggcc aagaagctgc aggccaagaa gtccaagatg aagattgatg 180

gcagcgataa gaagaagaag ggcagcagct tcaaggtggg caagaagaag gtgaagacaa 240

agctctccgc actgggaaaa gccaaggccg cgcaagccat ggagctcgac aactgactga 300

ctcccacggc ctaaactgtt gcaccaatgc cggtcatttt ttatgtaatc gtcggagaaa 360

tgaagttcat ttgctctggc caggtccatg tagtcgagct gcgttagata gataagagtt 420

ttggtatttc tccagtcagg cagatcctga tcgtgtatga t 461

<210> 5914
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f06b1

<400> 5914

ttaaaaatgt tatgttggca tagtggctta tagcagtttg aatgaaaaat gtaggctttt 60

attccaaaaa aaagtatgta ggttacatgg ctcacacctg ccaagcggaa gccccggtgg 120

aagggttact ggaaacctat tgaagatggg gaggcaaacc acataaa 167

<210> 5915
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f07b1

<400> 5915

ttatagatca ttttagcggg agtaagaaag agggagcatg gggaagaagg gggttgccct 60

ggtggcgctg ctgctggtga tggtcagcat ggcggtcgtg atgactgccg acggccaggg 120

tgccggcagc gagttcggca aagcggccga aggagccggg acaggcgccg ccaccgctgc 180

tgagggcgcg ggagccgccg tgaagtctgc ggcccaagga gcaggccagg cagctagtg 239

<210> 5916
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f08b1

<400> 5916

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gccaatcaac cacggggagc aggcaccaaa aaatatcgcg cgggacgacg aaggaaagac 120

aagggcggca ggccttggaa cacctgaccc gacaaaaggc tcccaagaaa aaccacagaa 180

<210> 5917
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f11b1

<400> 5917

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gacggatttg gtaaagtttg ggacgctgtt gaggtgtctg gaaagaacgt gatgaaaaca 120

tcgtcagttg tcactacttc agttgtaacg cacaggtacg gtgatcaggc aggagagatc 180

acacaggact acctccacgc caccggaaac gctcttgggg tcgcgtgggc cgtcttcaag 240

atccggaaag cgctcgaccc aaaggggcac atcaagaagt cgtccctggc gagctcggcg 300

gcgcacgctg tggctaagca atcgatcagc ctgcagaaga agaagtaagc cgtcgtcgtc 360

gtacgctggt cgatgatggc tccactgtat attgtagtat gttcttgttg agtttcatgt 420

gtgggctaag gtggttccac tgtgctgagt aatggtgatg 460

<210> 5918
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014g07b1

<400> 5918

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cagactatgg ttcaggccct accaccagcg tgagaacggt ttgccaaatc tctgctaatg 120

tgacgtggcc ctttctcgtg gacgaagatc ggattggccc aatgcgttca tttcattgac 180

aaaggagaaa tgagggg 197

<210> 5919
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014g10b1

<400> 5919

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gaccctgaac ggcaacgtca cgggcggcgc ggggggcccc tctccgtacc agcccggcgg 180

cggcggcgat ggcgtggtgc tcgggcatgg cgacatcatc gtcaatgcgc ggatctccgg 240

cggacaaggc ggctcgcgcc gttactacgg taccccgaga tcggccagcg gagacggggg 300

cagcggcata tcgatcggct cgggcaccgt catcaacaac aacgtcgtgc ta 352

<210> 5920
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014g12b1

<400> 5920

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agcagccgga gcccgtcagc tatctatgcg gagattgcgg agctgagaac acgctgaaga 120

caggggatgt gatccagtgc cgtgagtgtg gctaccgtat cctctacaag aagcgcaccc 180

gcaggattgt tcaatacgaa gctcgctgaa gacagaagaa caaacatcat tcactgttgg 240

taggtgcctc gattgatgtg gagtgtgccc tgagacaaag ctacaatgga gaaatgtatt 300

atatacagta cttttaggtc ttatttgtcc gttggacttt ggcttgaagt ggtaaaactt 360

gttgcaaacc gattgagatt ttagacaatt gagaatccag attatgcatc ccaaaagctg 420

gatgtcgaaa aatggttatt attgctattg gcagcaataa aatgctctgt tggttggttg 480

<210> 5921
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h02b1

<400> 5921

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gcgccacagg aaggtgctgc gcgacaacat acagggcatt accaagccgg cgatccggcg 120

gctggcgcgg cgcggcggcg tgaagcgcat ctcggggctc atctacgagg agacccgcgg 180

cgtgctg 187

<210> 5922
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h06b1

<400> 5922

aattctacgc gtccggtcgg ctcaccgaaa ggtgcgcctg gaggaaacaa gcgccttatg 60

aactctccaa ggagtgttgg aagcccaaga cgtgggtctg ccgagaagaa cattcctggg 120

ctagaacatg tataccaggc aaggaggaag gctatactgc gggagctgag gaagatgaag 180

gccgcaggca ggtgaagatc ccagagaggt atcgtttgaa ccatttccga accttcagtg 240

caagtcaagt tttagatgct actcaacaag tttgaactct ggattgcttc tcagccagag 300

aagatgactg acagccgaat tgttgtgcct cgtttgtttc aagttcatca gttgacaagc 360

ctgcttattg aagccctgtt 380

<210> 5923
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h07b1

<400> 5923

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gcaaaaaaaa aaaaaaaaaa aaaccacaca acaacaacac acg 103

<210> 5924
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h09b1

<400> 5924

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ttttttttagt ttctggttct gcttgaagcc atatttaggt ttaagcccaa atatttaatt 180

ggtttagttg atttaggata ggaagaacat gtcttctggg aaagggtatg tgaatatgtc 240

ccatggtgta tgtgattaac tattgaatac ttttatgcaa gactaaaaga atgcaataca 300

cccgattctt gatttg 316

<210> 5925
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a02b1

<400> 5925

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gacatcgaga ccgccgccac ccgcgacgag gggatcgccg ccgacatgtg agagacatgt 120

tctatcgatg taacgtagtg tgagtgagtg atcgttaagc cggtgtgttg taaactttta 180

attaattgtg caagcatgtt gtcttagtta gt 212

<210> 5926
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a03b1

<400> 5926

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cgaggactac ctgccggtga tggcggagcg gctgggggag gaggggctga tggagcagct 180

ggcggcgggg ttccggctgc tcatggaccc ggcgtcgggc ctcatcacct tcgacagcct 240

ccgccgcaac gcgccgctgc tgggcctcgg gggcatgtcc gacgacgacc tccgcgggat 300

gctcgccgag ggcgacttcg acggcgaccg cgcgctctcc cagatggagt tctgcgtcct 360

catggtcagg ctcagccccg acctcatgga cgagccccgc aagtggctcg acgacgccgg 420

cgcgcaagca ttccactttc ttttcaccag ctaggctgct gctgcatcga tccgatagga 480

aaattaatct tcttcttc 498

<210> 5927
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a04b1

<400> 5927

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actccacatt ctcatgcgtc atctgatcga tccggggact gtttgagacc cacaccaggt 180

tctacagatc tggagacagg gaggcgaacg tgttccccac accacgtcat ttgcgggatc 240

ccgtccacgt cgagcagtcc atgagtactg ggacaacact gtagtgagca gggtggcacg 300

catgcacccc gctgctccac cagatgagat ccaaataaaa aaaacaaggg cggcccgttt 360

aga 363

<210> 5928
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a06b1

<400> 5928

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aaagagacgg ctaaaaaaaa gaaccccagc gttaacaaaa aaaaaaaaaa agaggg 116

<210> 5929
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a07b1

<400> 5929

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caataaaaaa accatgaaga gaaagagacc gaacaactgg ccgcaaccat ggaccaacaa 120

ggccatcgat ccctatgcgg cggagacaaa gggggggggc gttcaggagg gcccagctcc 180

gctcccgggg ggaggcaccg cccacgtgtt gcagtggggc ccgcaaaaaa aaaataacgg 240

gccctccttt caacccggtt ggacggggaa acc 273

<210> 5930
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a11b1

<400> 5930

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gttgctgctt gtgattttcc ttttcttcct ccttgtattg gcggacgttc tcgtagaatg 180

ttgtacggaa gatggatgta tgagtgattg agtgtgtatc attatgtgtg ggtagtagga 240

ctcgggagca aattttgcct ggcattgctg atagttcatg caagtaacat tgttgtcata 300

tatgtattga tcaactgtta ccactggtt 329

<210> 5931
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b04b1

<400> 5931

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caagtttgcc ttggagtctt tctgggatgg gaagagcagc gctgcggatc tggagaaggt 180

tgccgacgac ctcagggcca gtatctggaa gcagatgtca gaggctggga ttaagtacat 240

tcccagcaac accttctcat actatgacca ggtgcttgac acaacggcca tgcttggtgc 300

cgttccggac cgctactcat ggactggcgg agagattgga ccagaaccta ct 352

<210> 5932
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b05b1

<400> 5932

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tcttctgctg cacagcgaga ggaggggcgg tacattgcgg cggctgcgac gggaagagga 120

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ttatgctgtg atccggaggt ggtgactagg gaggggtgc tggaattcct tt 232

<210> 5933
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b06b1

<400> 5933

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agatccaact tctgcacagg atgctggaca agctgtggga cgacgtggtg gccgggcctc 120

gcccggagac gggcctagac aagttccggc gggccgccgc cacccaaccc ctcgccatca 180

acacagctgc aggggaggcg atgaagcagt cgccgccgat gccgacgacc ccgaccacgc 240

cggtgacgcc gtcgttgtcc acgccgccgc gcggcggcag cgtgtggcgg agcgctttcc 300

accccgggag caacctggcc accaagagc 329

<210> 5934
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b09b1

<400> 5934

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aaatatacca caacaaaaaa aaacaaaaaa aaaaaaacca tacactcctt cttacattta 120

tcctatctct ctaccatacc tccccccttt tttccccccg gggggggcct ctttgcgggc 180

cccaggtttc cgcccccggg cttgcggcgt ctttgctttt ttttgggggc cccttattct 240

cttccccggg ccgtcgtttc ccccctgcgg gccggggaaa ccccgggggt ccccccctct 300

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<210> 5935
<211> 255
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015b11b1

<400> 5935

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tttatcatct tcttccttta tggaaaatcc ctcgcccgag gtagatcgtg gcaatgtttt 120

ggcttctatt ccggagtcta acaattcagt acctgttgac tcatgtcctt atggatataa 180

aatggttttg aaacttaaga gtaagatcta cccagaaggg ttcacatnna aaaaaaaaat 240

aaaaacaaaa aaaca 255

<210> 5936
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b12b1

<400> 5936

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gcgctgccgt cgcctcccca cctcgctgcg gggccgcgtc gcccc 225

<210> 5937
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015c05b1

<400> 5937

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ggagcaagga gcttccacac catcacgctc gtcagcagca cggtctactg cttcggcggc 180

gagttcacgc cgcacctgac cgcggacaac accatgtaca ccatcgacct caaggtccag 240

ttctgggccg acctctacgc ggccggcgag gtgccccccg cgggcgtccg cgtcaccatg 300

acc 303

<210> 5938
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d01b1

<400> 5938

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tggaattagc tcaaagtcga tgaacttctt ccaatgttct tgttccttta tgtacagaaa 120

attcagaaag tatttttaag ttgatggctg cttagtgatg ctgcccttta tttaagcgag 180

aaatgtaaat ggcattgtac atacgacact gcttcgacaa aacattgttg agtgttaaat 240

agaagaaagg ttgtcattct tgttgtttt 269

<210> 5939
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d03b1

<400> 5939

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cgctgggggg ctcgaggccg cgaagatgta aatacacgct ggctggggtg ttatgaccag 120

ccacaggagt ggtgagaccg aggacacatt cattggtgat ttggctgccg gtctgtccac 180

ggggcagatc aagaccgggg ctccctgccg gtcagagcgt cttgccaagt acaaccagat 240

tttgaggatc gaggaggagc tgcgcgaccc tgcaaagaat gctggcctca agtggcgcgc 300

accggtggag ccctactaga caggatgttc tcgagttgtt gtgaaaatgg gtgtgcataa 360

cctccggaag gaactctggt ggaagctctt aggattgagc ataatgtcca gcatgtttat 420

gtgaacggaa cggatatgta cccccaaact tgctacaatt ctggcccatg gggatatgaa 480

cctgattggg acccga 496

<210> 5940
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d04b1

<400> 5940

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tccgttgtag aagcgttatt atccggactg ttttcgtgta cttccgtgtg aatttagacg 120

gcaagttttt tcctctttac tataaaaaag tacaatgact tgcttacccg tgatctggct 180

ggcaactttg aaggtatcat acaccaccgt tctgttgtca gt 222

<210> 5941
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015d07b1

<400> 5941

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tctacccagg aagttcaaga ttgcggtcac agttgctggt gataactctg ttgatatcct 120

gaccaatgac atcggtgttg ttgtcgtttc agatagtgca ggggagcctg ttggctttaa 180

cctctatgtt ggaggtggca tgggaaggac acacagaata gaaaccacat tccctcgtct 240

ggctgatcca cttggttacg ttcctaagga ggatatatta tatgctataa aggcaatcgt 300

tgtcactcag agggagaatg gaagaagaga tgaccgcagg tatagcagaa tgaagtatct 360

gattgacagc tggngtattg acaagctccg ggctgagggt gtaatatact atggaaagaa 420

gcttgatgat tttcatccat tgtcagaatg gcaattcaac agctaccttg gctggcagga 480

acagggtgga tggtaa 496

<210> 5942
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d08b1

<400> 5942

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gtatgtggcg ctagagttca ccttggtgga gcctctcctt caccccttgca tgtaaccaat 120

ggtttttata cgtttccatc atagatccat gctttctgaa tcctggacat tgttgtactt 180

gtggaagtac tccctccgta aact 204

<210> 5943
<211> 520
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e02b1

<400> 5943

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gaccaggaga gatggcaatg aggccgcttg tcgtcctggc cctggccgtg gcgctcgccg 120

gcgtggcact gggaggggcc gcggcggagg gggccggcga gtgcgggagg tcctcccccg 180

accggatggc cctgcgcatg gccccgtgca tctcggcggc ggacgagccg gactcggcgc 240

cgtcgagcag ctgctgctcg gcggtgcaca ccatcggcaa gagccccagc tgcctgtgcg 300

ccgtcatgct gtccggcacc gccaagatgg ccgggatcaa gcccgaggtc gccatcacca 360

tccccaagcg ctgcaacatg gccgaccgcc ccgtcggcta caagtgcgga gattacacgc 420

tgccttgatg gcccggcaat gctgacgatg aagatgaatg ctgtggaagg cgtcctcatg 480

tgggaataag cgagtggtgc atgtgccact tatgtggggc 520

<210> 5944
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e03b1

<400> 5944

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tctgaccgtc gactccaggt aaggaggagg agaggagggc gagatggtga agcacaacaa 120

cgtcatcccc aacggccact tcaagaagca ctggcagaac tatgtcaaga cgtggttcaa 180

ccagcccgcc cgtaagcaga ggcgtcgcat cgctcgccag aagaatgctg tgaagatctt 240

accccgacct acctctggac ctcttcgccc cattgtgcaa tgccagaccc gcaagtacaa 300

catgaaggcc agggctggca gaggatctac ccttgaggag ctctagtccg ttggcattcc 360

aaagaagctt gttccgacca tcggcatttc tgtggaccat cgccgcaaga tcaggctgct 420

tgagggtatg cagtccaatt tccag 445

<210> 5945
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e06b1

<400> 5945

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caagatgttg ggttaaatca ttgaatcaga gttttgcagc aagaccagaa aattgactgc 120

tacatggtca tgtactttgt aaacatgtct ttgaccattc acttagactg aagcatggtt 180

atgcacaatc agcaacatta gccattcaca ctatctcgcc tcacagatgc tgtatagttg 240

atttacctcc tcagatgaac aaagccttac cataacaaat aaaaaaaaaa acaggctgat 300

tactaggtag acacgctcca ttctgagtgg gaaaagccca tcctacagag cattcctgag 360

cacattttac ttttgacata tctgctcatg cttt 394

<210> 5946
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e07b1

<400> 5946

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cactggcgtc agccgtgtaa ctgtcaagaa gagcaagaat atcctgtttg tcatctccaa 120

gccagatgta ttcaagagcc ctgcctctga cacctatgtc attttcggtg aagctaagat 180

tgaggatctg agctcacagc tgcagtccca ggccgccgag caattcaagg cgcctgatct 240

tagcagcgtc atctcaaacc ctgaggcttc tacagctgtt caggaggatg acgaggattg 300

tgatgagact ggggttgagc cgaaggacat tgagctggtg atgacccagg ccggtgtgcc 360

taggcccaag gctgtgaagg cgctcaagtc tgctgacggt gacatagtca gtgctatcat 420

ggaactgacg aactagccgt gc 442

<210> 5947
<211> 511
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015e08b1

<400> 5947

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cggaagattt cagaagataa agtagtagat gaaaagtcat ctccaaattt tgattgtcaa 120

atgatacacg caaatggtgc tccgacgtac atagaaaaag attgtgctgc aaaatctttc 180

cacaaaccga gaccagaagc agttcaacct gttcattttg ctcctgatag taacaatgag 240

aaacgatatt cttcttgtga aaaacatgat cctgaaggca ggagtaaagc cactaatttt 300

ggtgatctca gtgagaagaa aataagtctg gaagaattac ttagactcga aagtgcagaa 360

gagtccctgc ataaaggtgc aataagctct gaaaccagta aaaatcatat gccatctttc 420

catggagaag cagtcaggca ggtttccgca aatgtgggtc atgaagtcga agctattgca 480

tccataacct gtngtattgc taatgatttt g 511

<210> 5948
<211> 404
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015f02b1

<400> 5948

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aagggaggaa cccaccccac gacgcnggaa aaaaaaaaaa aaagaaaaag aaaaaaaaaa 120

aaaagaaaca aagggcggcc ggcccaaagg acccaagcga acggacgcga gcaagcaacg 180

acacagcgct gccaaagggg caccgaaagg caaaaaacgg gccgcgggac aacaacgccg 240

ggacggggaa aacccgggcg gcacccaaca aaaaagcccg ggaaaaaaac ccccaagccc 300

caggggggcga aaaagcgaaa aggcccgcac cgaacgccct agcaaacaga agaacagccc 360

gaaaggcgaa aagggacgcg cccagaaacg gagcaaaaag cgcg 404

<210> 5949
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f03b1

<400> 5949

ggaccggccc ggcaaacccg ggacgaccca cgcgcccgtt catgcgcccg aaaaaaaaaa 60

aaaaaaaaaa gaggggggaaa aaaaaaggga aaccgccgga gaccacccaa agggaggcgg 120

gggccgcagg agcacaacac ccgacggggg caa 153

<210> 5950
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f04b1

<400> 5950

tgttatgcta ctgatcttgg aactggcaaa ggccaacgtg aacgagaatg gagctgagaa 60

tgcggccact cataacggtc ttctgcgtgc gatcgtcaac ggcgcccatg gcgctggcca 120

tggtggcact gccggggact tcatcgttgg caactgtaag accatatact tcgcagggca 180

tgagaccacg gcggtcaccg ccatttggtg cctgatgtta ctggccaaac acccggaatg 240

gcaggagcgt gcccgcatcg aggcgctgga ggtttgccat gggaggagca cgttggacgt 300

tgacgccctc caccgactga aaattctgac gatggtgatc caagaaactc tccgtctgta 360

cccaccggcg tcgctgatga tgcgtgaagc cctgacggac ataaagatcg gcgacctgga 420

tgtgccccgt ggaacgatcg tccaggtgac cagatcgatg ctgcacctgg ac 472

<210> 5951
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f05b1

<400> 5951

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gagtctagca ttctacacaa caatggaaca tggcgtcgtc tgacgaaacc aaaaaaaaga 120

aaaaagaatc tctaaagagg agaccaagac aaaag 155

<210> 5952
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f08b1

<400> 5952

ttgttcacgc gtccgcccac gcgtccgccc acgcgtccgg aagatcgcaa tcgacgttgt 60

aagccctgga ttcgattttc acctgcctga atgtaaatgt tccgtatgtt ttctg 115

<210> 5953
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f09b1

<400> 5953

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cggcgcggga gaagaggagg aaacaagcag caccgccgag gccgcccgca gaccaagacg 120

agcacgcgac cggacaaccg gcgaaaacaa aggaccagag gggccacagc aaccaagagg 180

aggagcccac gacgaaagaa gaaccgagag cccgacaccg gacggcggga cgaacaacgg 240

gacccgagaa gacagccagg cggggacgaa agaagaaccg gcgcaccggg gggcagaacca 300

gagaggagga gccagacgac acgaggccaa aaggggcac aggacgacgc aaaacaacga 360

agagaccggg aaaaccccgg cggaacccaa agcaaaagcc aagcagaaca aaccccaacc 420

gccagcagga ggaacaggaa agaggcccgc accgaacgcc cgaccaacag gagcacaacc 480

cga 483

<210> 5954
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g04b1

<400> 5954

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tatctggaag aagtgcatgc tgcatcagac aagatccatg gtcttgctgc cactgcctta 120

gaccctgctg ccagcctgtc tctttccact ctaaaacaaa ctattttggc gattcaagat 180

tcacttgttg ctcttcaaag cactaccgcc gctgcacgtg cctccctaga ggaaaagggc 240

atgtactcag aggatgatgt ggctcaacca acctacgatg ggctttctga tgaagagacc 300

gatgaagatt gccatcaaga catggatgat gactacgctc actatgtgcg atccccatga 360

gcactgtcta agccctacta agctgatcag caagtgaagc tttctatata tagcttcatg 420

atgacaatgc tcactgtgtc cgatccccat gagtgtcata ttga 464

<210> 5955
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g07b1

<400> 5955

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ctgtctgtac acaattaaga aacaaagtca gactcagcca gcagacagac ggtgccttca 120

ttgggcccaa aaaaaaagaa aaaaaaaaaa aaaaaagaaa agattgttaa caatcaaaaa 180

actggaaata aaaaaaaaac atataag 207

<210> 5956
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g08b1

<400> 5956

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tctgcaccca gggctcgccc caccagcgtc cctccatgtc gagggtggtg gcgatgctga 180

cgggcgacgt cgaggcgccc gacgtggtga ccaagcccag ctacatcacg gagtggcaga 240

tcacgggggg caacaccacc tatatgagca ccgacgtcag tgggcagccg agctcggcgc 300

caaggcctaa ctcgccgtcg tcccgcacct cgtcgccgtt tctgagctcc gtcatgg 357

<210> 5957
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g09b1

<400> 5957

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caccagccat gggtaaggag aagactcaca tcaacatcgt ggtcattggc cacgtcgact 120

ctggtaagtc gacgaccact ggccacctga tctacaagct tggaggcatt gacaagcgtg 180

tcatcgagag gttcgagaag gaagccgctg aaatgaacaa gaggtctttc aagtacgcct 240

gggtgcttga caagctcaag gccgagcgtg agagaggtat caccatcgat attgctctct 300

ggaa 304

<210> 5958
<211> 304

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g11b1

<400> 5958

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caacgaagga cagcggcggg ccaggcccga gggaacacga tgcacgcggc gacgggcgcg 180

ggcaaaagaa aaggcgccag aagccagcag ggcaacaaca cacagaaccc cagaagacaa 240

gggcaaacaa gaacgggaag ggcagacggg agcagcacga gaaccaaaga ggagggaagg 300

gcgc 304

<210> 5959
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h01b1

<400> 5959

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ggccgctgga gacaccccca gggtggatga acttaccata caaaagttgg ctcacccaag 120

actgcgggag gtgcggaagc tgggggagaa caccgtcatt aaagaaaagg tgacacacgc 180

gaggagttga agacaaaggt tga 203

<210> 5960
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h02b1

<400> 5960

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actgtgctgc 70

<210> 5961
<211> 319

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h05b1

<400> 5961

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gagcagccgt aggtgctgct cacacacagc cagatgcggt ggatcaagcg ctaggaccag 180

gagacccaca ggcacccccc gaagctgcac ctgctggaga cgaggacgaa ctgcgggcac 240

gggcaggagg cctcgacgac gggctcccgg tcgctgggac cgatccggcg cgccgacagc 300

gccataccgc tcggcgact 319

<210> 5962
<211> 327
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015h06b1

<400> 5962

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aagcggcgcg agaggacacc acgggacaaa cagaaccgca gacgcggcaa gcaagaccca 120

gaagagaaag cgaccgcaca acngagcgaa acaaggccca accgagggca aaagaacaac 180

aaggggggg aggccacgcc gaaacgacga cacgggacga ccgaacaccg ccggacgggg 240

gaacaaacag aaaccgagaa ggaaagccag acggggaacg aaaggaagaa caaaccggcg 300

ccacccggga gggagagaaa gaaagag 327

<210> 5963
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h08b1

<400> 5963

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tgcgggtggg tgaacgggcc catcgcactc agagcgaggc cgggggggcat cgtcgtggcc 180

gacatgctcc gggagcaggg cgtgccctcc gtctgcctag agcgcgacga cagcaactgc 240

atccgctgcc tctggcagag gcgcgattac gaccgcacta cgactgcacc ttgccaagca 300

gctctgtcac cgacgtcagc tattcgagca cctcgagatc tgccccacca agctcgacat 360

ggagcaagaa ctccgcggcg ggagatcg 388

<210> 5964
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015h09b1

<400> 5964

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cgatggtgct cctcgtccct ggcgagtttg atcgagcgga cggcctctcc tcccctcggt 120

gcgggtgggt gaacgggccc atcgtactca gcgccgggcc ggcgggcatc gtcgtggccg 180

acatgctccg ggagcagggc gtgccctccg tcggcctaga gcgcgacgac ggcaactgca 240

tcgcctccct ctggcagagg cgcgtttacg accgcctacg actgcacctn cccaagcagc 300

tctgccaccg acgccagctt tccgagcacc tcgagatctg ccccaccaag ctcgacatgg 360

agcaagaact ccgcggcggg agatcggcgg caccgagcag tcnggccacc ccggcgtggc 420

cagcttcctc ggggcccgcg ggtcgctcgt cgt 453

<210> 5965
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019a02b1

<400> 5965

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tcaaggggct gtggctcttc cgtgggcagg acatccctga gtttgtcatg aacgaggtct 180

acgacatgga gctctacgag tggaccaagg ttgacctctc tgacgaggcc cagaagaagc 240

gtgtcgaagc catgatcgag gaccttgagc cgcttgaggg gcaggccttg ctggacgcca 300

agtgcttcaa gtaagcggat cagtgctttg gatcgtgatg gcggtgacaa aagaacctat 360

ctaggactca aattcagtgt cgaaacagtt gtctattttg gaagagtttg ctcgttactt 420

aatggctatt tgaccttgtg aacttgttaa tttttgtgcc atgctaagag tttttgggt 479

<210> 5966
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019a04b1

<400> 5966

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atccaagaac tttgtgtatt ccgaaaggcg caactagcca aacacagggg aaaaaaaaag 120

acacagaaaa agtgaagaag gcacgaacat gaaaaaaaaa aaagacaaaa aaccaagggg 180

ccctgagtgc acaaaaaaaa aaaaaaaaaa aacctaaagg gggccccctt ttaaaggacc 240

caaactttct tccccgggga aacaaaaact aaatttctct aaggggaaac caaaacaaaa 300

aaaatgggcg cacatttaaa aaaccccaaa aaggaaaaac ctgggcaaac ccaaatta 358

<210> 5967
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019a10b1

<400> 5967

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ccggtgatgg tggcggaggc gcggacgtgc gagtcgcgga gccacaggtt caggggggccc 180

tgcgtgcgca ggtccaactg cgccaacgtc tgcaagaccg agggcttccc cgacggcaag 240

tgccgcgggt tccgccgccg ctgcttctgc accacccact gccaccatta acaagcctct 300

ccttcgggtg atgccttctt tggggtggcc tttctgcgag cgtacgtgcg tgcgtgtcca 360

tgaataaacc tcagcttgtc ttggcaagct aggagcgagt ccctaccttg ttcttggctg 420

actattgcca gcgcttgttt cttggttggg ttcgcctcag aagtgctgcg agatttatgg 480

gaatatccca ggc 493

<210> 5968
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b04b1

<400> 5968

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tgcagccagg aggaggagga ggcggggttc aacctgctgc cgctggtgat ggccgccttc 120

gtcatcatgc tgctgttcgt cgtctgctcg ccgcagcccc ggcgcaggcg ctgcgtcgtc 180

gtcccgtgct actgacgtgg catcatggcg gtggtgcggc ggagggagcc tcgacctcga 240

tcggcggcgc tcaaggcagg caagtggctg ctactgtggt ggtaggcgtc tggttggcgt 300

ctggattctt ctgactgatg cgtgctgggc tgggtggaag 340

<210> 5969
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b05b1

<400> 5969

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cgacgggcgt ggccatcggc atctgcgcct tcagcctcct ccgcaacatc accggcaacc 180

cagaagtcag ggtcaacaag atggggaggg cagcaggagt gcttgagaac catgaggagg 240

gcaggcgcta cgccgagcac ggtctcagag cctatgtgca ggacaagacc cccgagatca 300

tgccaggaat caacaagttc ttcaccagcc cgaaatgaag cactttagtc tctctgtgac 360

tcgctattag caactgttgt ggtcaagtgc aaacctattt 400

<210> 5970
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b08b1

<400> 5970

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gtgctctttg cacaagctgt gtgcttatga ggtgttggta cttgtcgagg acagcagggg 180

ggtagcttac tcgtggtgtt gcactatgtt ttgtttcttt gttttatttt tgagtgtttg 240

atctgtttga gcctttgtga ttcgagaaaa taaaaataat atgagttacc tttattaatt 300

tatttaaaaa aaaaaaaatt taaaaaacaa ctactaaac 339

<210> 5971
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b09b1

<400> 5971

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agatttcatg tctgatcttg acgttcagat cccaactgcc tttgacccct ttgcccaggc 180

gaatgctggg gacgctggtg cagctgccgg atcaaaagac tacgttcatg tacgcatcca 240

gcagcgtaat ggtcgcaaga gcctgaccac tgtccagggt ctgaagaagg agttcagcta 300

cagcaagatc ctcaaagacc tcaagaaaga gttttgctgc aatggtacag ttgtccagga 360

cacagaactt ggacaggtca ttcaactcca gggtgatcag aggaagaacg tctcaaactt 420

ccttgtccag gccggcattg tgaagaagga acacatcaag attcatggtc tctgagcaac 480

tgccagctcc atatcagagt ctacatgcaa agca 514

<210> 5972
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b12b1

<400> 5972

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attgctttta tggcagatcc ttacctgttg gttc 94

<210> 5973
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c03b1

<400> 5973

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aaaagaaaag gaaatagagg agtaagaagg acacaagaaa aaaagagagt gaatgaaacg 180

aaagaagagt gaaaaagaga aacccaaaga aaacgggggc ggcgctctaa agagaaaccg 240

gatgtctggg cagggtgcgg gggacacaaa actttgttga tgggggggcct aaaaacgaat 300

atgggggggg gcgaataaag aagaggatgg ggaaaacccc gcgtcccaca actcatatgg 360

cttgaagggc aaacggccct ctgcccgggg ggggaaaata aa 402

<210> 5974
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c04b1

<400> 5974

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atgaggatga cgttaatgct tttgtaagat attttaaact ttgactaagg cgttgtaata 120

ttccagattc atcgttatgt gctcattagt caggtttttt cctctc 166

<210> 5975
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c05b1

<400> 5975

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cgtagcagga gcagccatgg gtatcgacct cgtcgccggc gggaggaaca agaggaccaa 120

gcgcgtcgcg cccaagtccg acgatgtcta cctcaagctc ctcgtcaagc tctaccgatt 180

cctggtgagg aggaccaaga gcaagttcaa cgccgtcatc ctcaagaggc tcttcatgag 240

caagactaac cgcccgccgc tctccatgcg ccgcctctcc aacttcatga agggaaagga 300

ggagaagaac attgctgcgg ttgttggtac aatcacagat gacatgcgga tccaagaggt 360

cccagcaatg aaggttaccg ctctgaggtt cacagagaca gcgagggcaa ggattgtcaa 420

tgcttgtggg gagtgcctca cttttgacca gcttgcactc cgtgcttcaa ctggggagaa 480

cactatcctg ttgaggggac cccagaatgc cc 512

<210> 5976
<211> 323
<212> DNA
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<223> Clone ID: uC-tsro9316019c06b1

<400> 5976

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accaccataa aaacccccta aaaccacaca aaaaaaacta aacaaaaaac ggctccccca 180

tctaatgaac aacccccctgg acccccattt ctgcccgcct atgacccact aataacgtgc 240

ccaaactaca atccaccctc cacggtcccc ccccgacctc atttgaaaaa ccctgcccta 300

ccccaacaaa atacctttttc tta 323

<210> 5977
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c07b1

<400> 5977

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actttgaaaa caaaaagggg ggaacctttc aaacgctaaa aacttttttg gggggcttta 180

aaaaagtgta caaacttaca aacttttaaa acctactggg gccaaggaag atccatacat 240

attcaaaact ttaaaataac cggggaatac ccgggggccc cctaagagcc ccccccttg 300

ttggccattt tggcggggcc cttttattgg aacttggccc tgaaccaaag gaacccctgg 360

gggggccgg tctcgaccct tttaaacccg gggggccggg cccctcttaa ggagccaaac 420

ttcctctccc cgg 433

<210> 5978
<211> 130
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c08b1

<400> 5978

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ttagagattg 130

<210> 5979
<211> 566
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c09b1

<400> 5979

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gggtggcacg gaaacggcgg aggagaggac gcgggtgtgc gacctcccgg aggcgtgcgt 120

ggcgcacgtg atcgcgctca cctccccgcg ggacgcctgc cgctgcgccg ctgtctcgcc 180

ctgcttccgc gatgccgccg gctccgacgt cgtctgggcg cgtttcctcc cgccggacta 240

cctccagctg caccaggcgc cggcccggcg attcccgctc tcgcgctccg gctccacggc 300

ctcggcggcg gcgtcggcgt cgtccaccaa gaaggaggcc tacctcgggc tcaccgacgc 360

ggccctgctg gtggacggcg gcggcatggc ggtgtggctg gcccaggaga gcggcgccaa 420

gtgcgtggcg atctcggcga ggaggctcag cctgccgtgg gaggaccgcg agttcagctg 480

gaggtggacg ccccacccgc tcttcaggtt cgggacgtgg cccagctggt ggacttacgt 540

gccttgacat ttactgcggg ttccca 566

<210> 5980
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c11b1

<400> 5980

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catgagtcag tccgtgctgc tgtttgttgc atacagtttg tagagtctga ataaaatgga 180

ttctgctgtc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaatag aagacaccaa aactaaaaaa gaaaaataac 300

taaaaaaata caacatcata aatagggggg gggccgtttt aaaggaccaa attttccttc 360

ccggggattg caccttataa ttttttttt tagggc 396

<210> 5981
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c12b1

<400> 5981

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tcccatggcg gcccccctcga gccaggcgag cctcctgctc cagaagcagc tccgagatct 180

agcgaagaac cccgtggacg ggttctcggc ggggctggtg gacgacggca acgtgtttga 240

gtggcaggtc accatcatcg gcccgcccga gacattatat gatggaggct acttcaatgc 300

agtaatgacc tttcctcagg attatcccaa cagtcctcca tcagtaaggt ttacttctga 360

gatgtggcat ccaaacgtct atcctgatgg gcgtgtgtgc atttctattc ttcatccacc 420

tggtgatgat cc 432

<210> 5982
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d04b1

<400> 5982

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aaagcaatcg ttgggaagcc agtagtggcg agcgagtatt tcttattgtc ttatctccat 180

gagcaaaaaa gtttaataat aaatcgtaac ttaacacgct aaaaacaaat agatgcatag 240

tagtcgtgtc aagctaagca gtgaataatt tggctctgcc caaaaaacaa aaaaaaaaac 300

ttaactatag tgaacctagc tccgtaaggg aaatctgaaa aagcaccttt cttgatttga 360

acagacatt 369

<210> 5983
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d05b1

<400> 5983

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cgtggtgatg cgccgtaacg gcgtgtacgt caccttcgtc gtcgccggcg ccttcgctgg 180

cgagcggctg gtggactacg gcgtcaacaa ggtctgggag atgaacaacg tcgggaaacg 240

gtatcaagac atatctgttc tggggcaaag gccggttgag gagtgaagac attgaagccc 300

agatttccca tgatctttta agtgaaatta ggcaccttat aaagcttcat gttttgacat 360

tttccttttg gcacaataat atttgaaaac tctcttgctg ggtgttattc actcccattg 420

agcactatgg catcaatctg ttccacagca aagtgattgc tatgtcttgt ccctttgaac 480

aagttcacta cttatcaatt atgaattgga cttcttctaa tggctattag aaatggcatg 540

ctgtgctcgc ctttttg 557

<210> 5984
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d07b1

<400> 5984

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atcaaagctc gggagtcgga atggagtccg agatggtgag ccagcacggg gcgctgctca 120

aggtggggct gttcgtgctg gtgcaggcgc tggtgtacct catcctcgcc cagtcctcct 180

ccgtcttctc caccaccaag accctctgcc tccccccggc gcgctccctc agcgcccgcc 240

gcatggccgc gctgctctct gacctgccgc tcgacggcga gccctcgccc cgcgtcggct 300

tcgcggagcc gtcgtcaccc gtgtccgtgc ccgtgcacgc ccaccagaag aaggattagt 360

tgcccgagtt gggaggtggc cactgcctag cgagcgagcc atatcacgtc gctggttccc 420

tgccaatggt cggtgcctgc ccc 443

<210> 5985
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d09b1

<400> 5985

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caatggcaaa cgcatcatcc ggagctggga tccatgatga ctgcaagctg aggcttgtgg 120

agctcaagtc caagaggatg caccgcttca taacctacag gctggagaac cagaaggagg 180

tcattgtgga ccaaactggg gagcgcgagg ccacctatga ggacttcacc aagaccctcc 240

ctgagaatga ctgccgattc gcggtgttcg acttcgactt caccaccccg gaggatgtgc 300

caaagagcag gatcttctat atcttttggt ccccggacac cgcacaggtg aggagcaaga 360

tgacgtacgc cagcaccaac gagaagttca agaggaccct ggacggcatc cagatcgaga 420

tgcaggccac tgaccccagc gaaatcagtc tggacgtgat caatgagcgc gcgcacta 478

<210> 5986
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019e04b1

<400> 5986

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acttgtggat cgcgctgggc attcgcggcg gtggcggcca tcgaaggcat gaacaagatt 180

aggacagggg agctggtgtc gctgtccgag caggaactcg tggactgcga caccgggagc 240

agcgtctgcg gcggcggcca ctaatactcg gctatgggcc tcgtggtcgc ccctggtggc 300

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cctgttgccg accaccag 378

<210> 5987
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019e07b1

<400> 5987

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ctacggacta ccagggctcc tcctcctcct cccactcccc gttcgcctcc ttcggccgct 180

cgctgctgtc tcgaagccgg gacaccccgg cgtcccccgc catgcttccg tccggcgggg 240

aggccgaggt cgaggcgttc cagcggcacg tggccgttag cctcgcggag ctgagggacg 300

gggaggattt cctcttcatc gcgtggatcc ggcagctcct cgaggcgttc ctgctgtgcc 360

aggaggagtc tcgggcggcg gcggccgaag tgcggcgccc cggctgtgga ggcccgtctg 420

ccgagaggct ggtgggc 437

<210> 5988
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019e09b1

<400> 5988

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agatgcgggt gcacaagagg gtgatcgacc tcgtcagctc ccccgacgtc gtcaagcaga 180

tcacctcgat caccattgag cccggcgtcg aggtcgaagt gaccatcagc gaccagtagt 240

tatgctaccc catgatatgt gtctttaaat ctttctacaa gggtggagag acaccagcgt 300

accaagatat ttttgaaact ttctgtagta tgagaactgg gctttgtatg actaggttct 360

ctgcttcgtg attttaagtg cctactgtcc taa 393

<210> 5989
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f01b1

<400> 5989

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ctctctgctt cccacgaatt cttcgggaat ttcacaactt gcagaatcga gagactctcg 120

cggatcaaaa tgggcctaag aatttagaga cagagaaata taatacttcc tctgt 175

<210> 5990
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f04b1

<400> 5990

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gaggtataat gtaattcgca tgtgcagcag gcacgtattg atagcctaag agtgcaggcc 120

aagtaatggt cttgtaggta gaatcgaaat caccatgcaa aactatgtgg atatggccg 179

<210> 5991
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f07b1

<400> 5991

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ggaggggaga agaagcggcg gctgagcgcg gagcaggtgc gcgccctgga gcggagcttc 180

gaggtggaga acaagctgga gccggagcgc aaggcgcggc tggcgcgcga cctcggcctg 240

cagccgcgcc aggtcgccgt ctggttccag aaccgtcgcg cgcgctggaa gaccaagcag 300

ttcgagcgcg actacaacgc gctgtgccac ttctacgacg cgctccgcgt cgaccacgac 360

gccctctcgc gcgacaagga ggcccttctc gccgagatcc aatgatctga aggggaagct 420

gggggactag 430

<210> 5992
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f09b1

<400> 5992

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atgccaggat ggcggaaaga aaggagtgga ggcaaaagtc gctccggttg tgttcgtacg 120

tggaagtcag ctcccgtgcg gggggggggag agggggaaga agggggggggg gccttctggg 180

gggct 185

<210> 5993
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f10b1

<400> 5993

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attttggctt accctaatta gttagtgtat catccttcta tatatatatt gtccttgcgt 120

gccatggact tctttgtgta ggaagacatg acgacagctt tctcaccaga aagcacaaga 180

tccactccag ggccccggag gcttgaaagc cgacgtcctc ggacccaagt ttacctgccg 240

ccagcttttt cagagctgac aagggagaac ctttccaggc cccctaatgt aggccgtcgc 300

accactaaaa aatcgtcttg actaagaaaa acatggg 337

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<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g01b1

<400> 5994

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tgtgaatatc tagctgccag agctagtcac ggcgcatcct tggctgccac cacagctgat 180

ggcaccaaga cgcgactcta gatggtttac ctgggtgctc tgccatgtcc agtcgggatg 240

gaggagctgg aatgttccgg atacgatcgt gcattagaag taataaagtg cacggcaaaa 300

atgctaggat ggctttgagt gttggtgggt gcggctgctt tcttttgcaa ctgctgctgc 360

gtgatgcgta ccaaggtctt acccacgggc caggggcttt gtgcattgcg gattcccc 418

<210> 5995
<211> 566
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g04b1

<400> 5995

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tccggcgggg ctgttcccgc gggaggccac caactacgag ttcgagccgg agacgcggcg 180

gctgacggtg cacatcccgg cggtctgcga ggtcggctac agggacggct ccgagctgcg 240

tttcgacacc acggtgaccg gcacgctgga caagggcagc ctgacggggg tggagggcct 300

caaagccaag gtgctcgtct gggccagggt caccgccgtc aaggccgacg ccgcaaaggt 360

ctacttcgcc gtaggcatca agaagtcgcg cagccgcgag gcatacgagg tcgtcagagg 420

cgccatcacc gtcgacgagt tctagattct agtcgcgcgc tcgccgagat gatttttcta 480

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ggatccataa tttagtttcg cagctt 566

<210> 5996
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g05b1

<400> 5996

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tggcgctgcc ggcggagaga cggaccgagg aggccgcagt caccggcggg tgccgggtgc 240

cggccgggca gggcgggctg ccgatcggct tccggttccg gcccaccgac gaggagctgc 300

tgctgcacta cctgcgccgc aaggccctct tctgcccct ccccgccgac atcatccccg 360

tcgccgacct cgcgcgcctc cacccatggg acctgccagg tacgctccac ttactcccca 420

tatcactgac caacggagct gcggctgcat tgctggcgca ttgcgctgac tgtttgccat 480

gtgca 485

<210> 5997
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g07b1

<400> 5997

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gagtcttcag acaccatcga caatgtgaag gcgaagatcc aggacaagga gggtatccca 180

ccagaccagc agcgcctcat ctttgctggt aagcagctcg aggatggccg cactctggcg 240

gactacaaca tccagaagga gtccaccctt cacttggtgc tccgcctccg tggtggccag 300

caagtgccct gccatggagc tgcttatgtc tctgggctca cgagtcggtt gtctttctgt 360

gtactcccgt gcgattgtca gcgtgtactc ctctggtctt gttctttggt gcta 414

<210> 5998
<211> 59
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g08b1

<400> 5998

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<210> 5999
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g09b1

<400> 5999

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gattgtaata aaacaaacct tatgtagtag caatggtctg tgtgtgatgt aataaaacgg 180

cagcctcttc cgctcgacga tcattcatat aaaaaatata aaaatttaaa ttacatcatt 240

atgataaaca atattttctt ctg 263

<210> 6000
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g10b1

<400> 6000

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tcgatgtgtc attgaggtct atccataaga tattgtgcta taggcacatg aataaaggga 180

gtgcctatta ccataaatgt aagttgcatg gactgtaagt agtttaagtg cccagcttaa 240

tccactgctt tatggtccat gcaatgctgg ctttgggaag taatgaagca cttggtgtgc 300

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ttaagaaaaa cattcttgac c 381

<210> 6001
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g12b1

<400> 6001

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tctgcacttc ttggctagct agctggtcgg ccatggcgga tcaccagagg cagaggatcc 180

acccggtgga cctggaggcg ggccagccga ggccctcggc gccgctggtg ccgccgggga 240

gctcgttccg gtccgacaag ggcgaccctg ccgcggcccc ggacaggagg ccgccgcacc 300

accagccgct gcccccgccg aagcggcgca ggggctgctg ctgccgcttc atctgctgcg 360

tcctggtgac cgtcatcctg ctcgccgtcc tcgccgcggt ggccctgggc gcgctctacc 420

tggtgttcca gcccaaggcg ccccactact cggtggaccg gc 462

<210> 6002
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h01b1

<400> 6002

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gctcacattc tacgtctgtg ccatggtgtg ttgctgcgga accctgatct gcctagtttt 180

catcgcgagg atcaagccgg tttatcagat gctatatgct agtgggtcgt tcagacaccc 240

tcgacagcag cagctgtact gatggagtaa gtggcatcaa tagaaaagct tgcaagtatg 300

agaaaagaaa agaacagagg aagttgtcag ctggttgtct gtaattctgc cttcttcttg 360

catcatattg cagcagcgta tattatccca cggttgtttg cttgattcat cccttgttgg 420

tattggagca tatgagagag ttctcttgat tccataattt gctcatgttg tgaaggtata 480

tacagccgat cgtcgaccat taat 504

<210> 6003
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h04b1

<400> 6003

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ggttacaaga aataaataag tacaatgcct cactcgtcaa tggataatgc aatgaatact 120

caagcagacg aactgttaag gggccggtcg cgtcagaact gtatgcacgt aaccacttcat 180

atgtatgtat gtatgtatgt atgtatgctc caacatgtcg agatgttaaa aagaa 235

<210> 6004
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h05b1

<400> 6004

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acagaaatat gtgctgagtt aatactagtc gggtcttttg atgtcttctg cgctttgctt 120

ctgctttttg agtctactga aaccgcagta cttgtgcggt ttcctctatc cagttatttt 180

ttagtactgc atctgtaaaa ccatatgtga tcctagtacc ctgttcttcc caattctcga 240

tgcttggtgc agtcttaacc ttttcgatat tc 272

<210> 6005
<211> 198

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h06b1

<400> 6005

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tcctagctga ccctgaagag atcgagaaca tacaactggc ataggcgtgg ccttttgggg 120

gcaccagatt tactgccgag gagaccatga cgaaagatgt atcttattgg ccgccctaaa 180

tcgattggtg agcaactg 198

<210> 6006
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h09b1

<400> 6006

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gaacaagcga gggtacctgc ggcgtcgacc caggtagcct cacagagtca cgagcgacga 180

ctaccgtgtt gcggtggagc agggctacgc aggcgacggc agtcgggcca gcgaccccag 240

agcctgcgtg ctccacacca cggccagcta gcccgctgtc ccgctctgca tggcaccatt 300

cacaaagatg gaagaaccag tggccattac ctgaagctga gtcacatccc actgccgcga 360

cctcgttcga ttctgcagcc tctcttttct gatgtttgat gctgtgaatc ggtgcacaca 420

cgtaattcac caaagcttgt tttgtagctg ct 452

<210> 6007
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h10b1

<400> 6007

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gtgcatatgc tcattttcgg cactggctca cgtagatagc aggcgagcca gctgacatcg 180

tgatttgatt attattacct cggcgtattc agaggtagag acgtcgccat ccctgctgcg 240

cttagtcggt tagtcgtatg gacgaagagt tggcatggcc tgagcattct tactgtacat 300

acagaaaatg aaaggtctat tgttcatgta gtacggcctc ctttttctc 349

<210> 6008
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h12b1

<400> 6008

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ttggagacca catctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaatga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gccgaactgg 240

gggtaccaag ttaaccaccg aaagaggaga ctgaaaacac ttgttataag ggaggcaaaa 300

aaaaaaaaaa tagaacgttt ttaaaaagga aaacactgga aaaacccagg ttaacccaaa 360

ttaaatacat tttgaaaaaa acccctttt cc 392

<210> 6009
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a01b1

<400> 6009

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tcgccgcctt ccacgaaggg atgctcgaca tgaactgacc ggggccgagc acgacgacgg 180

agccaaagaa gaagtcgaag acgaaggcga gaggaattga cttgtttatg tgatgattaa 240

attagtagaa gtagtacagg atattgg 267

<210> 6010
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a02b1

<400> 6010

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aaaaaaaaaa aaaaaaaaaa ataaaaaagt aaccctaaaa taaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa agggggggcg gttttagggg acccagattt ccatccgcgt 180

gctggaaaca ataaagcttc tttttggggc cccaaaatta aaacactggg ggggcggttt 240

aaaaacgtct tgttgggaaa acccc 265

<210> 6011
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a03b1

<400> 6011

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tgatcaatgt ccaacctgtg ggtcccgtgc ttctctgatt tggatcgaga tgggagtcct 180

ggatcgagtt agggtctgtg ctcttgtgca acacatagcc atggagtgac cgacccggat 240

ctgacttggc tatcataaga aggaagggtc ctcgaccgga atctgtccca ggcaggacct 300

caatggcgac ctgcaggccc 320

<210> 6012
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a04b1

<400> 6012

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agctgcacaa gtagcatcta ataatctctg gactggcata atgcctgcat aaataaaagt 120

gtgttgttta aaaaaaaaaa gaaatcaaaa aaaaaagaaa aactgattga catactacaa 180

ttgatgggag aacaaataaa aaaaaaataa aaaacaaaaa g 221

<210> 6013
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a06b1

<400> 6013

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cgtgtcacgg cgcccgcgga atatctacac cgtggagatg caggcctcgc cgccgccgcc 120

gagctcgctg cggcgcagac tgcgggccac ggcgtgctgc tgcttcggct acggccaccg 180

ggcgcggtgg ggcgggcggg acagccgcgg cgtcggcagg tacgacccgc tcagctacgc 240

gctcaacttc gacgagggcc ccgacgacag cgacgacgac gtcaactacg acgacttcag 300

cga 303

<210> 6014
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a10b1

<400> 6014

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cgccgcctac tcggacgaca aggtgctcct gccccaagcg ctgttcgggg ccaaggcgcc 120

ggcgccggtg cccggcgccc ccaaggggggc caagaacaaa aagggtgaag cccgcctctg 180

gccgggcgag taagacgacg acgccgcgcc cacgggcgcc gcgggcgcca gggccgcccg 240

ccggggcatg gctggcatgg acgcccttct tggctacctc ttgtgagatg ggtagcttgg 300

gatg 304

<210> 6015
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a12b1

<400> 6015

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tcgatcgaaa cacagcggga tcatcgactc gatcaggacc agggctctga cgtacctgat 120

acctcatggt ttcgtccacg acgcgccttc tgctaggggt gggtctggcc atccttctaa 180

cgtcgacgtg ccatgtcgct gatgctgcaa ggcccgtgcc ggcggcggac catacgcagg 240

tgctcaactg ggg 253

<210> 6016
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b03b1

<400> 6016

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ctagtagctt atactcagtg tcagatgctt ctatgtcatc tgggcatcca agtctgtcta 180

tcttaggggc aagaagtcgt ggttctcatg ttcctgaatt tactgtaccc actgatgctc 240

atggtggatt gcccatttat cagtctatgg tcccagctat tcctgcttat aacacccaa 300

aatgttcagg agagctattg gtgcgtgttg tatgccctgg cgacaagatt gggttagcta 360

ttggtaaagg tggtgacgac cataaggaat ataaggaaag aaagtggtgc aagcgtagat 420

tgtgatgacg caaagaatga taaggaggaa agca 454

<210> 6017
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b06b1

<400> 6017

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaat gcaagaagaa aaagaggaaa aaagaaaaaa 120

aaaaaaaaga aagaggggg aaaaaaaaaa agaagaaaaa aaaaaaaaaa aagggggggg 180

gggtgtaggg ggaccaaagg gaacggccaa agggcagggg aggccaaagt ttttcaaagg 240

gggggacaaa ggaaaaaaaa gggggggggg taaaaaaaag gggggggggg ggaaacccgg 300

ggg 303

<210> 6018
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b07b1

<400> 6018

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gccggcgtgg cacggccagg gctactgatc ggtgcgcgcg ctccgcgtcg accgagccga 180

ccgcgcgggc cggagacggg cgagcacgtg ggatcgtcat accggagcac ctgacgacga 240

tggcatatac atatgcgtac tccttttgtg ctagcagcag tatatctcag ttcagctaat 300

cagtagcaat cgggcggttg atcgagcaga ggcagtagta gccgcagcag tgatcgatac 360

tgaatacagg gagcagatat agtact 386

<210> 6019
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b09b1

<400> 6019

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tctaaagaga acgggccggt taaaacaaca ccgtcaacca ggggggacca gggtattcaa 120

gggtccctgc agcggggaca aattacaaaa cggaaccgaa ccgaaatttt tacaaaatga 180

ggcaccctac tggtctgagg ttggacataa tttgggtggg gctacaagaa aaaaagggtc 240

aagtgcgggt tattttaccg ccatgggagg caaggggcat gtcaggggcc cctacgtttc 300

cgtggtcgac tcaaaattt 319

<210> 6020
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b10b1

<400> 6020

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tcccggctta ccgccggtcc ggtacgccat gtccaagcaa ggagggaagg ccaagccggt 120

cacgcaggcc atggtcgccg agaaggacta cgacaagaat gacctgtcat acctccagaa 180

gaagaaggat gagcaaaagg ccctgaagga gctgaaggcc aaggcaggcc agacgggtgc 240

gctgtgagga tcctggtc 258

<210> 6021
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b11b1

<400> 6021

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tgatcattcg ctgttagctc gcggagcaag ctagcgttcg tttcttgcag ggagagtgat 120

cggtcgggcg ggtggcatga gcccggcgag cggcaagctg cggtggctgc ggagggcgcc 180

ggcgcgggcg ttcgggcgcg cgcgggactt ctacgtgcgg agcatcacag ggtgcgcgcg 240

ctacgtaccc gtcgacgcgg acttcggcgc ctacccggtg ctcgtgcccg cgccgctgtc 300

aaggagcc 308

<210> 6022
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b12b1

<400> 6022

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acaggtagca agaaaaaaaa tggtgactgc 90

<210> 6023
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c03b1

<400> 6023

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caacggcagg tctgttcatc tggtccctcg tcgctcccct cctgttccca gacagggagt 180

tctagatcga cctggttacc tgctagtgca tcatccgttt ggagccacct acgtatcgta 240

tcgaacgtgt ttcggctgtg atggctaagc tgactatctg tatctggtct gcaatattgt 300

gtgagcaaac ccatggcaag gagctggtgt ttgtgtgacg ttgtcgagtc tggtctgcat 360

gatgtgtgac ctaaggcatt gctgacagta tttcaacaga gaaaatatgg tc 412

<210> 6024
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316023c06b1

<400> 6024

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gctccgggtc cggccaaaga ttgctgcttg cggggtccgc ggcggcgggc gggtggctcc 180

gttccggcgg cagaggcggc tcgatctgcg ccggggctca aatctgatcg gcgtggcgcg 240

ctcctggagc ccggggttcc gattcggccg cgctcccggt gtgctgcccc aattacncga 300

ctttg 305

<210> 6025
<211> 465
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c07b1

<400> 6025

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atcagtctgg aaccccgcct tcgacgttac tccagcaaat ctaattactg caatcattac 120

agaaaagggt gtgatcacaa agtctgatcc taatggaagt ttcgacatca aaggtttcat 180

cgaatgtgcc aagtgatgct ctccagtgag cataggttgg catgaatgcg gtggaacatc 240

cttctcacac aattgatgat aggatgccca tgttgtactc ccagcaataa gatctttcga 300

agtgagagaa aaataaagtc gcgtacgaga tgtattgtga ggatgagctg tttgttatcc 360

acaaagcata tttataaaaa gatgcatctt ttgctaaatt taatgtgttt ttctagcaat 420

gaaccacaac tcagtttgag atggaagacg agcagctgct atctg 465

<210> 6026
<211> 519
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316023c08b1

<400> 6026

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gacggcggcg ccggcgccgg ccgcgaagcc atgcagcaga agcagcagca gcagcgggac 180

atgatgatga gcccgtccca catgcagaag gtggaggaga tgaagcagct gttcgagaag 240

agcagcaggg atctgagcaa ggtgctggac atctacgacc agcggcttga ggaggccgag 300

tacctcgccg gcgacaagtt caccctcgcc gacctctccc acatgcccaa cgccgaccgc 360

ctcgccttcg acgaggcgct ccgccgnctc atccagtccc gcaggaacgt cagccgctgg 420

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ttcgccgagg cgccattctg atcaccatgc actggtcgc 519

<210> 6027
<211> 311

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c10b1

<400> 6027

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catgtcgtac tacgaccggc gtggggagtc gtcggtgctg gaggcgttca cgctgtcgcc 180

gctgccttac ccggtgatcc tgatcctgat gatggtgacg ctgctgctgg gggcgtcgcg 240

gctcttctcc tacgaggagt tcatggagga ggcgtcggag cagttcagct ggttcctgct 300

tggcgtgccc a 311

<210> 6028
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c11b1

<400> 6028

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gcacctcaga tccggcctcc cgctcctcca agctcgcctc gcggccaacg aatccgcggc 120

cgtcgctcag gtatcgaggg ggctggcaac ggaggcggat aagcctaagg agaacaagat 180

caaggttcca aaagctctgt atggtggcac cggcaactat gctagtgcgt tgttccttgc 240

agcagccaac gcaaattcgt tggaaaaagt tgaatccgag attctcgatg ttgtaggggc 300

atccaagaag agccctatgt tttctcaatt catgaaggac acatcagtgc ctaaagaaac 360

cagggtgaag gctataactg aaatattctc tgaagccggg tttactgaca tcacaaagaa 420

attcttgtct gcactggcat ccaatggaag actgaaatat gttgagcgca tcgctgagag 480

at 482

<210> 6029
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c12b1

<400> 6029

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ctccataaaa aaaaagcacc aaccaaaaca aaaaggtata ctatacgcaa gaaccatacc 120

aaaatacaaa cgatacaagg gggccccccgt c 151

<210> 6030
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d03b1

<400> 6030

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ggtgattgtt gggagaacaa agaaaaatag tagccgcagc gtgatggtat tttatggtgc 120

ttgctactca ttggaatttg catctataag ctgtaagttg tgactgtttc atgcttattt 180

actagtggta ctatactacc gtgtggttca attgtatccg ttatacctga tc 232

<210> 6031
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d04b1

<400> 6031

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gcggcggcgg cggcctccgc gagaaggcga gggccgtcac ccgcctcgcc ggatccggct 180

cccgccatac gcatgccgat gctcagtact ccgggggtcc ggtccccggg gtcgcgttcg 240

acccccttcga catcgaggcc gaccctccgc cgttggcgct gacacacgag cagatcaagc 300

tatgcaagga cgcgctcgcg catttcgagc ggaggagcaa gcagctggat gccttgtccg 360

acgagttcca acggcttcag ggcatgagaa caatgcatcc ggagatgatg aaaatgtcca 420

ctgtagctcg tgatgctgcc aatagggaga agaaccgcta tattgatgtc ttaccatctg 480

atgataccag ggtacgggta aaatcatcag caaccagcca aatttaggca atgattacat 540

<210> 6032
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d05b1

<400> 6032

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gagcggccgt cgatggggga cgtcctctgg aatttggagt atgtcctgca gctccaggat 120

gtggattctt cgaccgtgtc ggacgtgaac agcatgaacc ggatcgtcga cctgtcgtca 180

caagttcagc atgtgggtgc catggagagc atcagcgtga cgatggcgga ggacggagct 240

ttgcacgagc ctgaccacga cctctccgac gtgtcgatga gcagggtttt ctctcagctg 300

atcaaagctg aggggaggtg aaaacgcgcc ggatgatctg ttagggtacc ggtagaggtg 360

tgggcaagcc ttggattctt attttcttgt tgaagtttac ctgagatgtg tcac 414

<210> 6033
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d08b1

<400> 6033

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gcaagatact caatgaaaaa aaaaaaataa aaggggggggg gcgcgtttgg gggacccccg 180

ttttccggcg gggccttggc ccgcctgtgt ttttttttgtg ggggcccaaa ctgaaattac 240

cggggcgtgt ttttccaccc ctggaagggg gaaaccccgg ggggacccca aattgttggt 300

gggggggagcc ttccccctttt tcgaggggggg gtaaatccga agaggggccc gtccatggcc 360

cttttccaaa catttgccct tcctggaggg gcatgggggc ccccccctttt ggggccttttt 420

tagccggggg gggggggggg gccccgcgga ggtgggccgt ttcctttgg 469

<210> 6034
<211> 479

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d11b1

<400> 6034

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cagaacgatg aggaccaggc ctacaggaag atcagactcc gtgctgagga tgtgcaaggg 120

atgaatgtcc tcacaaactt ctggggcatg gacttcacca ctgacaagct caggtctctt 180

gtgaggaagt ggcagacact cattgaggct catgtggatg tgaagaccac tgacaactac 240

atgctccgca tgttcgccat tggcttcacc aagagacgcc caaaccaggt gaagccgact 300

tgctatgccc aagcaagtca gatcagacag atccgccgca agatggttga gatcatggtc 360

aaccaagctg caagctgtga cttaaaggag cttgtgaaca agttcatccc tgaggtgatt 420

ggaaaggaga ttgagaaggc cacctcaggc atctttcccc tcagaacgtg tacgttcgc 479

<210> 6035
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d12b1

<400> 6035

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ctgggataca agcggttcaa gtggaaccag tacgagacgg tgtacttggt gcagatcgag 180

ggggtgtaca ccagggagga cgcggcctgg tacggctgcc agaggatggc ctacgtctac 240

aaggccaaga ccaagagcaa cgggacgcac tacc 274

<210> 6036
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e03b1

<400> 6036

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agaccgacgt gccggtgatc tccccgcagg agctggcgga ggcggacggc gtcctgttcg 180

ggttcccgac caggttcggc atgatggcgg cgcagatgaa ggcattcttc gactcgacgg 240

gcgggctgtg gagggagcag agcctgtcgg gcaagccggc ggtcgtgttc ttcatcacgg 300

gcactcatgg cggcgggcag gagacgacgc ctctgactgc ggtgacccat ctgacccacc 360

acggcatggt gttcgtgccg gtggggtaca cgttcggggc caagatgttc gacatggaca 420

aggtgcag 428

<210> 6037
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e05b1

<400> 6037

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gagccaggcg aggccttcac cgtccgcaac atcgccgcca tggtcccgtg ctactgcaag 180

aacaagcaca ctggtgtcgg gtcggccatc gagtatgccg tctgcgccct caaggtcgag 240

ttcatcgtgg tgatcggcca cagccgctgc ggcgggatca aggccctcct caacctcaag 300

gatggcgccg atgacacctt ccacttcgtc gaggactggg tcaggatcgg gtacccggcc 360

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ggacaaggag gccgtcaacg tgtcgctcca gaatctgagc accta 465

<210> 6038
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e06b1

<400> 6038

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acgtgttccg ccggttcgcc ttcgacacca tctgcaagat ctccttcggc ttggacccgg 180

gctgcctcga cctcgacatg cccatgtcgg acctggcgaa cgcgttcgac accgtctcgc 240

gcctctccgc catgcggggc gcggcggctt cgccgttggt gtggaagatg aagcggatgc 300

tcaacattgg gtccgagagg gagctcaaga aggccatcaa gctcgtcgac gacctcgcgt 360

cggcgatgat tctacagcgg cggaagctgg gttttgaaaa tagccatgac ctcctctccc 420

ggttcatggc ctcggacgga gacgtgcatg ccatggacga caagtacctt cgcgacatcg 480

tggtcagctt cctcctcgcc gggcgtgaca cggtggcctt cgcgctgacc acgctctttc 540

<210> 6039
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e08b1

<400> 6039

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gatgcagaat gaccctgaaa agaaagagaa cgaacaactg gaagaaatga atggcccttc 120

aaggccatag atactatgag gggggggcc ggtctaaaga agcacactgt tggccccctt 180

cgatggctgg gagaacatct gtactggggt gccctaaatt acagggacgg gcgcggaact 240

gacaccgcgt gtggtggaaa aacccgggga gctccaaaac aaaaggcct 289

<210> 6040
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f01b1

<400> 6040

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cagaaggagc tcggggagtg gcaggccagc cctcccggag gcttcaccta caaggtctcc 180

gacaacctgc agcggtgggt catcgaggtg tccggggcgg aggggacgct ctacgccggc 240

gagacgtacc ggctgcaggt tgacttcccg gagcagtacc ccatggaggc tccacacgtt 300

atatttatgc atccggggcc gatgcatccg cacatttaca gcaatgggca catctgtcta 360

gatatattgt acgactcgtg gtcaccagca atgacggtca gttccgtgtg catcagcatc 420

<210> 6041
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f05b1

<400> 6041

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gaagacagca tgcaacttgc agaagcaatt aataggtggg atgaagatgc agtaaatgtg 120

cttccagaat acatgaagga tatctactta tatttgttgg aaacatttca ttcttttgag 180

gaccatttag gacctgagaa cagctaccgt gtggtttatc taaaagaagc gttcaagaaa 240

ttggttcaag catacagtga tgaactaaaa tggcgtgatg aaaattatgt accaaaaaca 300

cttaatgaac accttcaagt ttcatcagta agtattggaa cctctgtggt agcatgtgct 360

atatttgttg gcatggatga cacaacagtg gaaactctca cttgggtgtc gagcgaccag 420

aaacttcttg aagtctttgc tatatataca cgttttacga atgacatggc atcagcaaag 480

cgtgagcaag caggggcag tgtgctctac tatccatcgt acatgaggag catggatg 538

<210> 6042
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f07b1

<400> 6042

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atgacaaagc ttgcttactc agcttgcaac aagcaagcct tggtcttcct cttctaccct 120

ctagctagct agctttctcg acccccaag aaaaaggagc aaccaaaatc tcatactaga 180

tcgattgatg ggagctagct ggcttgatta gctgcaattt catggcgcgt aattaagatc 240

cagggcatca tggtgaagta gctcggcaag aagtcaactc atcaagaaag cttgctagcc 300

gcccttgaaa ctacacaagg aagatgaaga ccagatcgag gaaggaagca cgctatagca 360

cagagagcta ggctaggtgg agagat 386

<210> 6043
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f10b1

<400> 6043

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cagcttctct cctatctgtc gagatttact atgtctgtct acagctattc tacttgatat 180

tgttcttgga gcatcaaagg caattgcttt actggttaac atgcgtagga gggtactgtt 240

gctcagcgtt attatacctc tgtaaataca tgtataggag gattcttgga gcttcgcaca 300

ctcagtaagg ccatcaaagc tacttgcctt gctggtcaac atgtataaga ggacccctgt 360

acatacatgt ttgctgtttg ctataaaaga agtactcttt ggtggattga gaagattgtg 420

actatgaaac cttctagatg tacagaaag 449

<210> 6044
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f11b1

<400> 6044

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agcttcgcta aagatggctg ggctactctc tgtcaaggcc atcgcgctcg ccgccgtgct 120

tgctgccgcg tatgtctctt gcgccgccgc tgagcagctg ggggcggcgg acctcgacgc 180

ctccgccgtg tcttacagct ccgcgtggct tccggccaga gcgacctagg acggagcgcc 240

caacggcgcc gggccggacg acaactgcag cgcgtgcgga ttcaatcacg tgaaccagca 300

cccgttctcc tccatgacct cctgcggtaa ccagcccctg ctcaaggacg gaaagggctg 360

cggctcctgc taccagatac cgcgcacagg cgacatatcc tgctccggaa agatcgagac 420

ggtgatgatc ac 432

<210> 6045
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023g02b1

<400> 6045

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gctgtccgtg agggagagca tgtctttggc gttgctcaca tctttgcatc cttcaatgac 180

accttcatcc atgtgactga cttgtctggg agggaaaccc tggtgcggat cactggtggc 240

atgaaggtca aggctgatcg tgatgaatcg tcaccctatg ctgctatgct tgcatctcag 300

gatgttgcta cccgttgcaa ggagcttggt atcaccgcac tgcacattaa gctccgtgcc 360

actggaggca acaagaccaa gacacctgga ccctgagccc agtctgctct cagggctctt 420

gctcgttctg ggatgaaaa 439

<210> 6046
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023g10b1

<400> 6046

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ttacttctgt actatgctaa ctgtactgac agtgtacata tttctctatg gtaaaactta 180

tctggcttta tctggtgttg gagaatcaat tcaaaatagg gcggatatac agggaaataa 240

agcattgagc gtggctctga acacccagtt tcttttccag attggtgtgt ttactgcaat 300

tcctatgatt ctaggtttca tcctggaaga aggtgtcctg acggcttttg atagcttcat 360

tactatgcag ctccaactat gctctgtatt tttcacgttc tctcttggaa caaggactca 420

ctattttggt cgcacaatac tgcatggagg tgc 453

<210> 6047
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023g12b1

<400> 6047

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ctgccgaacc agaacaccga ggattacccc agctcaaagc tcgtcatcag gggcgatggc 120

ggcactggca aaaccacatt ggagaagagg catctcactg gagagtttga gaagaaatac 180

taacccacca ttggagttga cgttgacccg ttggattcca ccactaactg aggaaagatc 240

cgcctctact gcatgggaca ctgat 265

<210> 6048
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h02b1

<400> 6048

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tgattgatct gattttgctg gtcagcttac aaattcaagt aatacaacta ttgcaatgca 120

tcttactacg tgtgtatcta tttgcattga tattttctcc tccttaggct ccaaatcgtt 180

tgtgggtcat aaattattat gcattattga tgttaatttg caatttaaat gacaataggg 240

atgggtttta taagtgcaat ggcttgaaat gtgaccttcg agtcaagaaa tttccttagt 300

gggaagctta tgtgaagaat gatgtaatta agttagcaat ttacagttct ctttgataat 360

tgtaactgaa ttgtcaatgg ccagttctct tgaatagtga gttgctccct caaatttaca 420

atagagataa tttg 434

<210> 6049
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h04b1

<400> 6049

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cgcctcctaa gtgcaaacca ccgacagctc acagttgatg ggatacttat atacgacagt 120

tcatggagga gaccccatac gaagccacac tatgctattt ctagaataag tggtgtaata 180

ttccctgtat tccagttatt tctattgttc catgcatgtg tgatgagtat tagtactctg 240

tatttttttt tgcttggcgg tatatgttca tctactttgg atgtgactcg actccttgtt 300

cttctgacta tctacgcatg attgtattca ttcacatgaa tgagctattt tgtcaatgaa 360

ct 362

<210> 6050
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h05b1

<400> 6050

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aagcaagatg tacaccgcca ggaagaagat ccagaaggac aagggcgtcg agccctccga 120

gttcgaggac accgtcgcgc aggctttctt tgacctggag aacggcaacc aggagctcaa 180

gagcgacctc aaggacctgt acatcaacac tgcaatccag atggatgttg ttgggaacag 240

gaaggccgtg gtgatccatg tgccataccg tctgcgcaag cccttcaagg agatccatgt 300

caggctcgtc agggagctcg ag 322

<210> 6051
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h06b1

<400> 6051

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ggggcagcca gggcggcgga ctcgtgcgga gaggagagag gggtaggcca ggacctcaga 180

tcgagctcaa ggagctggac attaacactg caacccagac ggacgaaaga cggaacagga 240

cggcgggggt gacccatgag tcatacggtc tcagcaagcc cttcaagaag atccatgtga 300

agctcatcaa ggagctcctg aagaatccta gcggccagga catcggcttt gttgcaacaa 360

aga 363

<210> 6052
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h07b1

<400> 6052

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aggaagaacc gggggagctc gcgggcaccc ccgggggggg gccacgacga acaagtgagg 120

aacgcagggg ccgtgggcag tactacgtga gtgtgtatgc gcacagaagg aatgatcaac 180

ggagggccca gacactgtgg gggggaggac gactccacga ctgatagaca gaactgacgg 240

ggacggaaag gacaacagg 259

<210> 6053
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024a02b1

<400> 6053

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tgatgtatga acggtctgac aacaggttgc ttcactggaa cagcatcagg gttgagtgat 120

aaacaaagaa aataaaagga ggagcccatg ac 152

<210> 6054
<211> 393
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024a05b1

<400> 6054

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gatggccacg ctgatggtgc ccaagaagga ggcggcggac gaggccggca ggaacgacct 120

gttcgtggac ctcagctacg acgacatcca gagcatgtac aacggcctcg acatgatgcc 180

gccaggggac gatctgctct actcgtccct cttcgcctcc ccaagggtcc gggggagcca 240

gcccggcgcc ggcggcatgc cggccccgtt ctaagcagag ccaagacaca gaccgtcaga 300

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cgcagtggaa atacagcata ngaaacggga ggg 393

<210> 6055
<211> 194
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 6055

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gacgcgtgtg tggagttgcc tgaacatcta catgttgaag gggaccaaga tggcaataaa 120

aattcatgct gtgaaaaaaa ggacataaaa aagacatagt aaatatgagg aggagtacat 180

gacgaaagac gaac 194

<210> 6056
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b03b1

<400> 6056

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gcaatcatct gagtagtaga atggcctcga aagctataag gaggaggcct accgagaaag 120

aaagagagag acatatggaa acaacaatgc cggaatctgt cacagcacct cttctaggaa 180

atagtgccca ggggaataaa tcggaggggt atgagcctat accggatttc tgggatggaa 240

aatcacgcga gtgccttcat tgggtgcata ttgtatctac ttttattact cagtctgcaa 300

gaaagatagt caatgctatt tcggagtttg gttcgttcct agcaaggttc tttggttgct 360

cccgtgctcc ccaaagttca caaaatgcac agacaatgct aattcacctc agtccat 417

<210> 6057
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b04b1

<400> 6057

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gcaatcatct gagtagtaga atggcctcga aagctataag gaggaggcct accgagaaag 120

aaagagagag acatatggaa acaacaatgc cggaatctgt cacagcacct cttctaggaa 180

atagtgccca ggggaataaa tcggaggggt atgagcctat accggatttc tgggatggaa 240

aatcacgcga gtgccttcat tgggtgcata ttgtatctac ttttattact cagtctgcaa 300

gaaagatagt aaatgctatt tcggagtctg gttcgttcct agcaaggttc tttggttgct 360

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cggaggagag 430

<210> 6058
<211> 401
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024b06b1

<400> 6058

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gtggcgccgc tgaccatctg cgtgatcggc gccggcggct tcatcggctc gcacctctgc 180

gagaagctca tggccgagac cccgcacgtc gttctcgccg tcgacgtcta ctgcgacaag 240

atccgccacc tcgtcgaccc gccccccgccc cacctcgccg gacgcatgtg cttccaccgn 300

ctcaacatta agaacgactc ccgcctcgag ggcctcatca agatggccga tctgacgata 360

aacctggcgg cgatctgcac gccggcggac tacaacacgc g 401

<210> 6059
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b07b1

<400> 6059

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tccgaccgca aggggaaagg taccaagagg gcgcatttcg tcaggaactt gatcagggag 180

gtcgctgggt ttgctccgta tgagaagcgt atcactgagc ttctcaaggt tggcaaggac 240

aagcgtgccc tgaaggtggc gaagcgaaag ttgggtaccc acaagagggc gaagaagaag 300

agagaggaga tgtccagcgt cctcaggaag atgagatctg ctggaactgg aacagacaag 360

aagaaataga gcatcccagg ctcattaagt tgatggcaat cttctgttct ggtgtccagc 420

ttttactgca tgtagaacct actagacctg aaactgttat ccgcttgcta aacattatgc 480

tatgttgaac cctctgtctt gagagatctt tgat 514

<210> 6060
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b08b1

<400> 6060

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aaaaaaaaaa tttattaaaa aaaaagcata aagcattcaa aag 103

<210> 6061
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b09b1

<400> 6061

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aaaaaaaaaa aaaaaaaacc aaacaaataa acatgggccc gcccctcaaa agaaccacaa 120

ctcccgaccc cgggcacgca agaaaaaacc acttccatag ggcccccaaa ataaaaaaca 180

acggaccccg ttaaacaacc cggggacggg gaaaccccga accggcccca cctaaagcac 240

ctggaaaaaa aacccccttc ccccagaggc caaacaagga aaaggcccgc cccaaccacc 300

cttcca 306

<210> 6062
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b11b1

<400> 6062

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tggctgctgg tttgaccccc agcaggtgca acgaactccg cccggttttg cgaacattga 180

ttgtttaaag tatcccatcc tcttatgtaa acactactta tttgttcatt attgtcgccg 240

agcacaaact atttggacga actttgctct gaggaataat aaataaagca ccttcggact 300

gtgtttatga aaaataaaaa tataaaaaaa actataaaaa aaaaaaaaaa ctaaaaaaag 360

ataaaaaaaa aaaactaaaa aaagaacaac aaaaagaaaa aaaaaataag ccaaggggggg 420

ggccctttta aagaacccaa atttccctcc cggggcttgc 460

<210> 6063
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c01b1

<400> 6063

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atgtgaaact gttcttcgag tcaatttgcg gagaggtcta tcggctgagg ctgcttgggg 120

actaccagca taatactcgc attgcctttg tggagtttgt tatggctgaa agtgctacag 180

ctgctctcaa ctgcagtggt gttatactgg gttccctgcc aataagggtg agtccatcta 240

agactcccgt tcgtccccgt gctcctcggc caatgaacta gagttgtagg tacaggaggt 300

gccaatggca ctgcttatat atagagagat cgacatatgt gaaagagaaa ttaagatatg 360

tcttttcttc taagttatcc gctcgagtgt ctttttattg catcgccggt aagtatcaag 420

actcgagcgg aggaggggaa aggaaaaatt agaaatggct ggtcggtgtt ta 472

<210> 6064
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c02b1

<400> 6064

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gggatggaaa acattagacc gccgtgtact caacgtagaa agaactggca acctacttca 120

tcttcagtta gggcttctca caaatggctt taaattattg aaaacaggcg gatcacttgt 180

ctatagtact tgcagcttga ctgttgcaca aaacgagaat gtggttcagc aattcctctc 240

aaaacatcct tcagcagagc tgctaaagat caatccagcc gatagctggc cctgcagaag 300

cggcggcatc cagaaaacct tgcggttcga tcccgcgacg tcacaaacta gtggacttt 360

cgttgccaag ttcgtcaagt tgcgatgttc tttatgagat gctcgcaact tcgtataagt 420

taatttcata tgaaaccagg atgtcgcgag tcaaatttgc taggtttact cta 473

<210> 6065
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c05b1

<400> 6065

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ttcaccaatt tcacatcgac aatatgggcg acgctaccgt ggagtctcct tggtggcgcc 120

tggccaaggt cggtctgtgg aggatcacac aagacaacgg cccctacaac ggcagaatcg 180

ccaccatcgt cgagatcatc gaccacaagc gcattttgat cgacggtcct tcatccgacg 240

agatgcttgt ggtccccaga caagccatgg cactttacga aattctcctg gcccccatcg 300

tcgtcgagtc gatgccccgc gccgtccgca ctggtaccgt caagaagttc tgggagaagt 360

ctggcgtcga ctccaagtgg aaggagagct cgtgggccaa gcggcaggag cagaacgagc 420

gtagacgggc cctcaccgac tttgagcggt tcaaggctct cagactcaag aagcacgcgac 480

gattcgagga gcaaaag 497

<210> 6066
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c08b1

<400> 6066

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agctgaccaa gggcggcggc gcggtgggcg gcgacagcca ggagtgcgtg tacacggtgt 180

acgtgcgcac ggggtcgatc tggaaggccg ggacggacgc caacatcacg ctggagctct 240

acacggcggg caacgccgac ggcgtggcga tcgcggacct gccgtcgtgg ggcgggctca 300

gtgggggggc cactcctact tcgagcgcgg caacctggac atcttcagcg ggcgcgggcc 360

gtgcatggcc ggcgcgccct gccgcatgag ggtgtccttc gacggcaccg gggcgcacca 420

cggctggtac tgcaactacg tggaggtcac cgtaaccggc ccgcaccgcg gttgcgccca 480

gcagc 485

<210> 6067
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c09b1

<400> 6067

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tcagcagtat acgcatgtgt gatgttgcgc acagccgcat agcgtatgca ggcgtgcgtg 120

cttggcggcc atcagcccct atcgcgcgcc cgtgcagcgc ttaaataagc gctaatcgtg 180

aaccagaata aagcttctcg cgattagtag caaaaaaaaa aaaacaaaag aaaaaaaaaa 240

actaaccgag 250

<210> 6068
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d01b1

<400> 6068

ttcgcgacct tttgctctgc acacgcatgt aaaccgaccc ctaaataaat tcttcagtgg 60

gttaaccaaa aacttttaaa agaaaaaaga agagaaagag aacaaacaac tggcgtaaac 120

atgggc 126

<210> 6069
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d02b1

<400> 6069

tttactcgta cgcccacgcg tccgcccacg cgtccgacta gttctagatc gcga 54

<210> 6070
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d03b1

<400> 6070

ctggctagct gcaaagaatc ttgcgcctaa gtttaacagt ttctccaaaa atatttctgt 60

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tctgaagggt ctgggtggtc tcctgtttat cgccagcagt tcatttggtg cttatcttcct 180

ggctctctac cttgctttca tcacgcccgt cgtctatgac ttctacaact acgacatgga 240

gaaggctgaa tttgtgcaga tcttcatgaa gttcacacag aacctggcgc tgtttggagc 300

ccttctcttc ttcctgggca tgaagaactc ggtccccaag aggcaggcca agaagaaggc 360

ccccaagtcc aagacaactt agatagttgc ggagaagact cttatttaac aaagaagcta 420

ccgtacctgg ttctcttatg tgtaatcgga tccgctttga agggggggtgc aggc 474

<210> 6071
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d04b1

<400> 6071

tgcaaagaat cttgcgccta aggttaacag tttctccaaa aatatttctg ttcacctcgg 60

agttgtggtg cctcatgtag agttgaagca tgtggttgct gctaccattg gtctgaaggg 120

tctgggtggt ctcctgttta tcgtcagcag ttcatttggt gcttatctcc tggctctcta 180

ccttgctttc atcacgcccg tcgtctatga cttctacaac tacgacatgg agaaggctga 240

atttgtgcag atcttcatga agttcacaca gaacctggcg ctgtttggag cccttctctt 300

cttcctgggc atgaagaact cggtccccaa gaggcaggcc aagaagaagg cccccaagtc 360

caagacaact tagatagttg cggagaagac tcttatttaa caaagatgct accgtacctg 420

gttctcttat gtgtaatcgg atccgctttt gaaggggggt gcccgcccta ccaggtgtgg 480

gt 482

<210> 6072
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d05b1

<400> 6072

acagaatgaa cgggggggggg ggcccgtggg ggccccgggc aaccgccggg gggcagggag 60

agcaacagcg tgtcgagggg ggacccaaag gcgaacgcac gggcgggggc accaaccccc 120

cgggcggggg aaaccccggg ggccccccaa gaagaagggc gggggggaaa ggcccctatg 180

gcaggggggg gaaaaagaaa agggggcgga ccgggcggcc ctccccaaaa agggggcacc 240

cggaagggag aaggggcccc cccccggagg gggccaaaaa acccgggggg gggggggg 297

<210> 6073
<211> 111
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d10b1

<400> 6073

tcctcacgcg cccgaaaaaa aaaaaaaaaa aaaaaataaa ataaaaaaaa aaaaacaata 60

ctacaaaaaa accaaaaaaa aaaaaaagaa caaacaacag acaaaaacat g 111

<210> 6074
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024d11b1

<400> 6074

tgtttcttcc cacgctgtcg ttatacacca acagaaatca cttcccagcc accattgact 60

tcccattcga tccgatcacc acaaaaaacc tcaagcttct cgaccggttt attagttgtt 120

caacagccaa caccatgagc tctcggatgg ccggagccac gttgctgcgc cacctgggcc 180

cccacctctt cgccgccgcc gagccggcgt ccgggctcgc cgcgagcgcg aggggtatcc 240

tgcccgccgc cgcgaggatc ttccccgcgc ggatggccag caccgccgcc ggcgcgcatg 300

ccaaacaaga aggtgacgct gaaaagcccg agagcgccac agcgccggag cagaacaaga 360

agcccgtggc gagctactgg ggcatcgagc cgcggaagct cgtcaaggac gacggcacgg 420

agtggccgtg tttctcctta ggccgtggga cacgtaccgg ncgacacgtc ctcgacgtgg 480

ccaagc 486

<210> 6075
<211> 172
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024e03b1

<400> 6075

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gggaggaaac tgttgattca gtgcgtagat atcagttttt tttctattcc agatgtcttt 120

tggttaattc attgggcttt taattcattg ccattggttc aggctatatt ca 172

<210> 6076
<211> 505
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024e05b1

<400> 6076

accggccgga actcctggtt ttcctcgcgc ctttctcgcc cgcgctactc ccgctcctgg 60

gatttttaa aaggagagac gtcattcgat cccagccaga ttcacatnga tcgatcgccc 120

ccacctttcc tgccggatct tctcaggagc agcagcagct tgaattcttg cggatctgcg 180

gctgcgaatc ccagtctcgt atcaactcga ccaggcggag gagaagcagg gggaagatgt 240

ccaaggcggc gctgacactg gaggaggtgt ccaagcacaa caccaaggac gactgctggc 300

tcatcatcgc cggcaaggta tatgatgtga ccaagctttt ggaggatcac cctgcaggtg 360

atgatgcact gctgtcctcg actgccaagg acgcaactga tgactttgag gatgtcgggc 420

acagcaccac cgtccgtgcg atgctggacg agtactatgt cggcgacgtg gatacagtta 480

ctattcctgc ccggacaaag ttcac 505

<210> 6077
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024e08b1

<400> 6077

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aatatctcaa agctggagga tcaacttagg aaggcgaaga agaaaatggg tgaagaaaat 120

atccagaagg ctgtcaagat tgccatagat gctgcagaag ctgctctttc tgaaggaaaa 180

accttctgtg ttactcatgc tgatgtgggt cttgacacca ctgctgtccg ggaagcagtt 240

gtcaaagcca tgaaccgttt caagggtttg ccgataatgg tattcagcac agatgaggca 300

tcaaacaagg ctgttattta tgccggcgta cctccggatg cacccaatgg cttcaaggtg 360

ttggattggc ttacaccttc aatcgcacca ctcaagggaa aaggaggagg cggcaagaat 420

ggtctcgccc agggccaggg 440

<210> 6078
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024e10b1

<400> 6078

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tttggtgagg ctatgcttca cactgttgga tatatttatg tacggcaagc ggcaagagaa 120

cttggaaaga gtaaattgta tatgggtgta ccattcatag ctgagtgggt aagagacaag 180

ggtcacacca ttaaatcgca agttcatgct gcttcaggtg ctattgctct gatgcagcta 240

caagaaggaa tgaaaaaggt ggaggagggt gccgacaagg aagagcagct tatgaagagt 300

tttgaggaga aaaaagaagc catgcttaat tctctatgga aaattaatgt ggtcgatatc 360

gagtcaactc tttcccgagt atgccaagca gttcttaaag atagcactgt ctcaaaagat 420

gttctgaagt tgcgaggaaa agcgttgaaa aagcttggaa cgata 465

<210> 6079
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024e12b1

<400> 6079

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tacttattgg gtccaacaag aaatccgagt tcccggtaaa gtgggggctg gctccgcaaa 120

gcgagcatga aagatatatc acagaagtcg catttggcgg cagtcctgca ataattagag 180

attatccaaa ggaaatcaaa gctttctata tgcgacaaaa tgatgacggg aaaacagttg 240

cggcaatgga tctattggct cctggggtcg gcgaacttat tggaggaagc caaagagaag 300

aacgacttga ttaccttgaa ggtcggctgg atgaatcaaa tcttaacaaa gatagctact 360

ggtggtatct ggatctgcga cgatatggat tcagttcctc atgctggttc tggccttgga 420

tctgaacggc tcgtacagct tgccaccgga atagacaaca tcagagatgc cattccattt 480

tccagggctc ctggctctgc agagctctag cac 513

<210> 6080
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f01b1

<400> 6080

ccggggcgga aaccccgggg cgacccacgc gaccgctcaa gtcaaaacca gagaaaacgg 60

gaagagaggg aggatgaaat aaaaaagaac cgccgaggcc gccggcagac cacagagaga 120

gcgcagaccg gccaacgggc gcaaagaacg gccccggggg gggcaccgcc aggggcgaa 180

ggcaaccccg acgaaggacg gaccgaccag cccgcccccg ggggcgggga gaacaacaga 240

accgggcagc cagcctgaca gggacga 267

<210> 6081
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f02b1

<400> 6081

tcgcgacttt acttgttcgc ccacgcgtcc ggacgagtgc gatccatact ttgatcaggc 60

tggctgcaag catcctggat gcgaacctgc ttatcctaca cctgtgtgtg aaaagaaatg 120

cacggcgcag aaccaagttt gggaggaaaa gaaacatttc agcatcaatg cataccaagt 180

aaactctgat ccacatgaca ccacggcaga ggtctacaat aatggccctg tcgaagttgc 240

tttcacagct tatgaggact tcgcacacta caagtcagga gtgcacatgc acatcacc 298

<210> 6082
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f03b1

<400> 6082

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ccgtgctgag cctgggtccg ctcatcctgc gcaaggatgg gcccgccagg ggcgacggca 120

tctgcgtgga cgagccgtgc gcagacgcaa ctgtgagccg cggcgacggg ttcaccttaa 180

caacggaccc cggagggcac gacgactggt tctacagaag aacgcagctc tcccccctgcg 240

acagccgact taacctgggg aacg 264

<210> 6083
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f04b1

<400> 6083

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aacggcgtgt acgagccgtg cgcggacgcg acggtgagcc gcggcgacgg gttcaccttc 180

aagggtggcc ttcgcggggc gcgacgcctt cttctccgga ggcgtgcagc tctccccctg 240

cgacagccga ctaaacctgg cgaacgcagg accgctgcta gagctattcc gccccaccgt 300

cgacgagatt gcggtgctca ccgacaacgc ctacgacccc aaagccctga cattctgatg 360

gtgggcacat ggaggccttt gccaggagga agatcgcggc aaggatgccg cccgtgtacg 420

taggcaacaa cttcgacaca gataccggat tgaccct 457

<210> 6084
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g02b1

<400> 6084

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cttctgctgc gtcggcaacg acgacgacct gcgctcggtc gtgctgggcg atgagggcgc 120

ctctgccggc atggcggcgg gcgccgtctt cgtcgaccac acgaccgcct cggcagcggt 180

cgcgcgtgag ttgcatgccg tggcggccga acgtggcctg catttcatcg acgcgcccgt 240

ctccggtggc caggcgggtg ccgtcaacgg cgcgctgaca gtcatgtgcg gggggggacgc 300

cgcgcccttc gacgctgcca ggcccatcgc gctggccttc gccaaggccg tcacgctgct 360

gg 362

<210> 6085
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g03b1

<400> 6085

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accgacggtg cttttcacca aaaccagaag agatcgcgta cgcacaactg gcgcaatgat 120

ggcccttcag agccattgtt tatttgagga agagtgcctg acgaaagaat aactgggtgc 180

ccgccttcgc tgggtgggcg a 201

<210> 6086
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g04b1

<400> 6086

cacgagaaca aaagaggaac ggcacggaca acaagggcaa acaaaggacc cgcgggggcg 60

gcagagccca caagaggagg ggagccagga ggaaagaagg aaccgaaaga ccaaccacga 120

gacgtgggga accaccagga accagcaccc caacgaccag gaggcaaaga aaaaacacgc 180

cccagggaca cg 192

<210> 6087
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g10b1

<400> 6087

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caagtggcac ccgcattggc tgccatgaga accattctcc tcgccatggc cgcgatggcc 120

atcctgagca ccgcttcggc ggcaatctac aacatcggcg agccaggtgg tgcatgggac 180

ctcaacacca actacggcac ctgggcatcc tccaggaact tccaccccaa cgaccagatc 240

gtcttcaaat actctcccca ggcacacgac gtcctcgagg tcagcaaggc cgactacgac 300

tcctgcagca ccgcaagccc catcgccacc ctcaactccg ggaatgatgt cgtctccctc 360

accaccaccg gcacccgcta cttcctctgc ggcttcccgg gccactgcgc cgggggaatg 420

aaggtcaaga tcgacgtcgt gccaagctca tcctcttcct cgccggcccc agccagcggc 480

cccagtgcaa gcaacgctcc cccgccagcg cctgtctc 518

<210> 6088
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g11b1

<400> 6088

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aagtgtgtgt tacccagagg atgaagtttg caccacctca gacagataat gagtcaagag 120

atgctaagga gatggacttg gcgcggaggc ggaatttgct ctctattctt gcaattctgg 180

cggcaactgt cacgtaccaa gctggcctga acccgtcagg aggcatttgg cctgctgaga 240

acagtaaggg tggcaaacca ggcaatccag ttcttcaaga cagccaccca tagcgctatg 300

atgttttcta ctactccaat gctgtctcat ttgcgtcatc tgcggctgtc atcattcttg 360

ttgctaatag ggaatcatgc gaggatggaa tcaagtcgta cgcaatccgt gcgtgcttgg 420

tagcggattt gctgggccta ctgattgcct attctgcagg aacctgcagc atagcgagac 480

ccgtaata 488

<210> 6089
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h02b1

<400> 6089

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gagggagcaa accggcacac tgctgatagc cgggagcctg ccccagaccc atggcgctca 120

cagggatcct caaggagctc aaggacctga acagggaccc gcccaccagc ggcagcgcct 180

gccatgaggc gcaagaaagg atccactggc aggcgacaag acacgggtcc atcggcaagc 240

ccagatgccg gcg 253

<210> 6090
<211> 203
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024h03b1

<400> 6090

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cttctgagga gncgccagcg caactggcgc aagcattgtc gtttagttgg acggactccg 120

acttgtggtt agcttgacta tagacgaaat attggtcccg ctgcagatgg aggggcgacc 180

actgtacatt gtactgagtc tgc 203

<210> 6091
<211> 351
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024h04b1

<400> 6091

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taggtctacc gcctactcgt tcgccgccag gtcctccgga gccgccagcg gggctgccgc 120

gaggtctatg ttgtacttgg agggacgcag actcgtggta gtcttgtgta tacacttcat 180

atcggtcacg cggtttatgg agggacgacc aatgtggatt atacggcata tacatgttat 240

attgttacag aggcttgtag atatgagtcg cgtatacgat tattcgagat tgggtacgta 300

attttgttac acatgcatga gattatttat gaatatacaa ttttttcgtt t 351

<210> 6092
<211> 316

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h05b1

<400> 6092

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gcccattgct gagcaattca gcgtcgaggc catgccaacc ttcctgttca tgaaggaagg 120

agacgtcaag gacagggttg tcggagctat caaggaggag ctgacgacca aggttcggct 180

ccacgcggct gcctagtaat cacctagcgg agtagtattc gcctaaataa aattgccgct 240

tgagaagtag tgcctccaat ggcaccggat atgctgtgta ctgcttgctt cttgcgagtt 300

tatggatgat ggtgac 316

<210> 6093
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h06b1

<400> 6093

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gaaccccgat gatcctctgg tgcccgagat cgctcacatg tacaagactg atcgggccaa 120

gtatgagtcc acggcgcgct cctggacgca gaagtacgcc atgggctaga gcctggacgg 180

ccagctggtg accatggatg cgccgagccc cagaaccgtt atcacctaaa taaccagcca 240

aagtatcacc ccaccccgtg acgaagtgaa tggacttttg aggccgtcgt gcccctgttg 300

aactcgtatg aatgtactct ttgccatgtc aagtccgttg ggtctgggta gtctgttcta 360

cctgacgttt cgttatccat taagttaaat ctctgtccgt atcatgatat gtatggcttt 420

ccattg 426

<210> 6094
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h07b1

<400> 6094

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agagctgcgc gcttcctggt gctcctccag atcgtcctgg acgtgatctg ggacgcgctc 120

atgagcggcc ccgtctgcca tggagcccga gcagggatcg acgggggagc tatagatcct 180

aatccaccga caggcacaga ggctgctggt gacccctaca ccggtcgtca gtgcagcaga 240

tagtacaggt gctcaccaag tgttcagccc tgataacagc agaaacacct ctcccgaaca 300

atggaaggtg tggacgattg caccgcctgg atgcatgccc acatctagct agcaatac 358

<210> 6095
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h09b1

<400> 6095

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tgcagcatgc cgaagctccg gcacctggag atcgggtaca tgctgatcgc gaccaacgcc 180

gtggtggaga tcgcgtcccg gtgccgcgac ctcagattac tggacctgcg ctgctgctgg 240

ggcgtggacg acaagctgct gcaggac 267

<210> 6096
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h10b1

<400> 6096

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actacagaaa aaacaaaaaa aaaaacaa 88

<210> 6097
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a02b1

<400> 6097

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tgctcgtgta ccaggacacg ctttccggcg acgagcttct gtcggattcg atcccttaca 120

gggagctgga caacggcatg ctctggcaag tcgatggcca ttgggtcgtt caaggagcac 180

ttgacgtgga cattggagcc aatccctctg ctgagggtgg tggtgatgct gtgggtgatc 240

tgaaacagga gctggatgac actaggtcta aactcggcac ttgcctggcg gtttacaacc 300

gctgtgctgg gaaaaccctg atgttaccc 329

<210> 6098
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a04b1

<400> 6098

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cttggaccat caagagatga accaacaact gatgtcttcc gcagagagcc ctggtgtcac 180

cccacacaga gaagaacacc tactggagtt gaacaggaaa aggcttctgc cgttaccgag 240

<210> 6099
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a05b1

<400> 6099

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ataatgcggg aacatactgg cgaatggatg acagattgct gttacagtcc 110

<210> 6100
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a08b1

<400> 6100

gcattctact ggcccacgtt ttacaccgac tttgactgtg aaaaccacga agagcacaac 60

tgaatcgcct tgtggcacat cccccattcg ccagctgaca caatagctaa aaggtcggca 120

ccgatcgacc ttacaaaaag ttg 143

<210> 6101
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a11b1

<400> 6101

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aggaaggctg gccgcccctc aaaggggagg aagatgcccc gcctcctcca gtgtgttgct 120

gcatgggcgc acgccaggag agcagatctg gtcagacccg cgttctgccg tgcctgaaca 180

ccaccaatgg gaccggagcc tgactgtaca aaggaccaac tggggcttcc tgaggacagg 240

ctgaaagagg cggtcggtca ctctagccct aacaatgtca cgggc 285

<210> 6102
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b01b1

<400> 6102

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agcgggtaaa agggtgctca ccaaaatgga aggcgtcgag agcttcgaca tcgacatgga 180

gcagcacaag gtgaccgtga agggcaacgt caagccagaa gatgttttcc agacggctc 240

caagaccggg aagaagaccg ccttctggga ggcctaagcc actcctgcac cggacgctac 300

cccggccgct cctgcagcgg aggcagcccc ggcagcagac gccgcgcctg caccggaggc 360

tgccccagca gcagacgccg cgcctgcacc g 391

<210> 6103
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b02b1

<400> 6103

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ataatggcat tattattggt ttgagtgagg aggtgtgctt ttccagatac agttttgtct 120

cgtgtgttct gccatgtctg aaatacttcg caagctgttg ctcatatttg tgcgtgtttt 180

gttaatgatc ctggccctac atgatt 206

<210> 6104
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b03b1

<400> 6104

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ggctcgtgca gttcttccaa ggcgccatca ccgtgaagga tctcgtcttg cggtttactg 180

ggccagagat gtggatcatg ccgaagaatc ccttctctgc aatgtcgaac ctgagaaggc 240

tgctggtcgc cgacgtgcct tcctcatggg acgcctcatg gccgcgcctg ctcatcgagg 300

cggcgccgtt acttgagagc ctatatgtgc atgtctccca cagcgaagat gagccgagac 360

aggaggtgcc gggggagacc tcgggttcgc gccattgcca tttgaaggag ctggttgcca 420

ttggattcca gaggacggac aggcagatgc accttgtga 459

<210> 6105
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b04b1

<400> 6105

agattcattg ataatctcgt ggtgtgttca ggcggtttgg cgagatctgt caaggagggc 60

attcccgctg atgaagcaga tctgcgtgac atgataacgt ctctagagag tctgttacgt 120

gacgggatcc agcctcgcgt ggggcggtat gctgaacaag agttacgtgg ttttgatacc 180

accttcaaga gtttgttacc tgatgctgct gcagctacca ccatcaagga agagccggat 240

aatggtgatg ccaccagtag ctgccgtcag gatcaggaag gggcggcgag ccactgatga 300

acgccgtaca tcaaggatgc tgggatcttg gagtcttcta cagcttt 347

<210> 6106
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b05b1

<400> 6106

ggaagcacaa tgggctactg cacatttttc actccatggc cttcattttt ctccgagccg 60

gcctcccata cactgttcaa cgacaagagc agctaccgcg agctctctga gatcgctgag 120

caagcaaaga gaacagctga gattgcaagg tatattatct ttccgcttcc aggttgctaa 180

tagatcagac gagtcaggct agtcgttgat ttgctaatgc ccttttcctg atgattatgt 240

gcaggctgag ggagctcaac acactcaagg gccacgttga atccgcggtg aagctcaagg 300

gccttgacat cgacaccatc aaccagaact acaccgtgtg aggagtatcg acattggacc 360

aacaaacatg acatccgtat tggagcgaga ttggaatgga gctccgcttt aagatttttc 420

cggtgaatga atgaaacaaa catggctgat ctga 454

<210> 6107
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b06b1

<400> 6107

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tggcagcctt atcggtgtct acaatggcaa gaccttcaac caggttgaga ttaagcctga 180

gatgattggc cattaccttg cagagttctc tatctcctac aagccagtga agcatggcag 240

gcccggtatt ggtgccacac actcttgccg gatcattcct cttaaatgag ttatgccgct 300

ttctactttg aaagaattca gtacggacca tctggtggca tggccatcta g 351

<210> 6108
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b11b1

<400> 6108

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gggtgctgcc ggatggggaa gagatgggga aggtgctccc agctctacta taagtagtag 120

gactagctta ggtgtctact tagtggcgac tggcgcgacg ccggagattg ggtttatgac 180

tatggaggcc tagtctcttg cgcgccccag ccgcttccgg tggctgctgg agctcacctc 240

cataattggg gtgagatgcc atgagcgcaa agctgctcac ttatgcgcag ttaacagcca 300

tac 303

<210> 6109
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c04b1

<400> 6109

ccacgcgtcc gcccacgcgt gcggtttttc ccgcggctac tcaaggttgt gtcagcgcaa 60

cggcaggatc atggacatgg tggagctgga cgaggtggag ctggagaagg cccaggccaa 120

cggcaaggcg gtcaccatct cggtgccggc cgccggcggg gaagccggca tgtagcgcga 180

caacgagaac tgatcgctgg agcaagagat gggtggatct tgatgctgtg gtggtgtgcg 240

tagcttaaag atgagctcga tgacacgagg cctaagcttg gcactggcc 289

<210> 6110
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c08b1

<400> 6110

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agagggagtg gtgttggcat cccttcgttc ttcctggagg gattgtatca tattgcattg 120

gcatgaaaac cacaccgcat aacatacatg gggctagact gctacggtgc tagctgatgc 180

tcccctgtaa cgtatcatta tggtgtctgg tgagatgctg gcgctctact gttgaacgga 240

actcgagaca tgaaggcaga ct 262

<210> 6111
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c09b1

<400> 6111

ggcggacgcg tgggccaagt gcgcccactt cgacgtcact gtcgactgtt tagcccgccg 60

gccccacggg cggcatgctc gtcttcgtct ccggatccct ccaagtcgac ggcgagcacc 120

acatcaagtt ctcccagatg ttccacttga tgccaatcgg accagggaac ttctatgtgc 180

acaacgacat gttccgcctg aactacggct aagaatctta ccaaaggtcg tgcttcccca 240

tggaagacag aatgttctgc aaaacaaaca attcggttgt ggtttttgtg tttgatggtg 300

aaaaactttg tggtgctttc atgccaacag cttatgaaat ccactgagga tgaaacataa 360

cataacaccc tgtactatgg gtctgcgtct gaaattgtat cgcggctttt cttgtatcaa 420

tgctatgtgg aggccatggg aaaaacttag cagttcagtt ctt 463

<210> 6112
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c11b1

<400> 6112

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gagcgggtga gctagcacct ggcatgctga tggccgtctt gggccacctc gtctctgagg 120

cggagcgcat ggcccaagat gaacccatct ggctccacat ggtcctgatg gaagagcact 180

acggtgctaa tataactgat tggagctaca agaagagcta gcgctgcgag tggcacaaat 240

gcatgaggag actgatatca caagggctca aattgcgact attatgtaga ggacaacggc 300

aaaactgggg aaacacga 318

<210> 6113
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c12b1

<400> 6113

gacagagcgg gcggggagga ttttttcaga aggttcagcg attcttgcca cgcacgcaga 60

catggtgggg aaagcgccgg caggggctgc aggcggctac tcggacgatg gttcaaag 118

<210> 6114
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d01b1

<400> 6114

ctggcgcaat catggaccgg gggggccatt gagggtatcc agaggagccc acgacggaag 60

aagaaccgat ggtccccatt cggtggccgg aagaacaa 98

<210> 6115
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d02b1

<400> 6115

cggcacacgc gcctcggcgg cgggcccttg tccgaacggt ctccttgttt tccctgccga 60

gcaagcttta tttatggacg tctctctgcg cggcggaacg tgaacggcat tgtggctttc 120

gcattatggc tagcactctg taatgcactc ctgtctcctc ctggtgtccg actgactgac 180

tgtcttacag tcgcaaccgg tcatggtatc gagtaagcgt cggcctctgg tattatggca 240

ctaaaaaaga gcatggaaaa catcgggcgc tacttttttcg acagcaccgt caacaagcgg 300

cgatgcccct aaagaacatc ttggggctgg cagctcagag gac 343

<210> 6116
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d04b1

<400> 6116

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agcaccactg caaatgcgct gactgaacct attgatgtat acagcgaatg gatcgatgag 120

tgcgagcgcg tcaacactgt tgaagatgat gatggtgcat gagcatgtgt aactataata 180

ctcgtatggc ctcaatgtgt tgatgtcatt tactgccacc gtcagccata tctgtagtag 240

cattgtaaca atgtactggc cgatcgaaac gttagtaggc agtttgtccc gtgcttaata 300

cacaaccgat gatattgtgt acctgtattt gtaaaccttg atatagcggc tgagattaca 360

cctaatctcg gtacctgcaa agaaatttat acttatgctt aaataaaca 409

<210> 6117
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d07b1

<400> 6117

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gagcacaagg agaccggctg ccagtctcgg gagggcccca tcctttgcgt caataattgt 180

ggcttcttcg gcagcgcggc gaccatgaac atgtgctcca agtgccacaa ggagatggcg 240

atgaagcagg agcaggcaaa gctggccgcc tcctctttcg acagcatcgt caacggtggc 300

gatgccgcga aagaacatct tgctgctggc agcacggcgg tggcagctgc tcacgttgag 360

gcgaagacgc ttattaccgc acagcctgct gatatcgctg gtccaagcga gggggcgatg 420

gacaacccc 429

<210> 6118
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d08b1

<400> 6118

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gaggaacatg ccacctgtta ccatcaatgg caaaaggcgg accacactga acggcatctc 180

ttactccccg cctgctactc cattgaggct tgcggatctc tatgacaaga aagaagtcta 240

cacactggac ttcccaacca tgccgtctga tggaccgccg gcgatcggat cttctgtcat 300

caactcgacg tacaaaaact tcatggagaa tgtgtttcag aacaacgaca cgaaagttca 360

gacctaccac atcgacggat acccctttg ggtcgtggga atggactat 409

<210> 6119
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d10b1

<400> 6119

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agaagagaag aagaagcgcc aacatgcgtt ataatggtgg tcctgggccg cctgttgaat 120

ctgtggagga ggccatcact actgaagaac atattgccgc cctcctg 167

<210> 6120
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d11b1

<400> 6120

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ctgtggagga gttcatgacg gatgatcaac tggttgccct cctccggttg gtgggtgaac 180

aactgcaccg tgatggcatg ctggcggcga cgaaagaaga actggtgctc cgggccgcac 240

agctagaaga ggaggttgat gacaggagga ctaaggttgg tactggtcgt tgtactacaa 300

cgt 303

<210> 6121
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d12b1

<400> 6121

ggctcacgtg cgcggagaag gacggttttt tcggcggatt tctagtgtct atcggaccac 60

agagactgca agtgcatctt gctggtgtgg tagacggcgc tcgagaatgc cgacgctaca 120

cgtaaggcgg ccaccatctg ggtgccggac tgaggcaggg aaagacggca tgcaaagcga 180

cgactagaac tgagcggtgg agccagagat gggtggatct tgatgctgtg gtggtgcgca 240

tgtcttgtgc 250

<210> 6122
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e04b1

<400> 6122

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tgacgttgtc gaccagaacc gggcacttgt ggatgctccc gatatggtca ggtgccagat 180

gaacttcaag cgtctttcgc tgaccgacat caagattgac atcaagcgta tccctaagaa 240

ggccactttg atcaaggcca tggaggaagc tgatgtgaaa accaaatggg agaacagctc 300

atggggcaag aagcttgctg tccagaagag aagagcatcg ctgaatgact ttgacaggtt 360

caaggtcatg ttggctaaga ttaagagggg tggtgctatc aggcaagaga ttgccaagct 420

caagaaggag gttgctgc 438

<210> 6123
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e05b1

<400> 6123

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caccatggcg catatggaag aagttgctta tagctttacc tgacaggcag gaactctagc 120

attttctgct tgctgctttt gtagataaga attgtgccag atagatttcg agacgacaca 180

cggaacagag ataaggttgc acatagcagt tatgagtctg cacattgttg tacaaatttt 240

gtgattttac atactccctc tgttcacttt tgtaagacgt tttagacagc tgaaatcgaa 300

ttgttctagg tgtggtctca gatgtgtaaa acatgtgaca gatgggaact ccgggagcag 360

cagataaggc tgggcatagc atgtatgcaa ttgcatctgt catgattagc tgctggtaga 420

gaaacagatt tgt 433

<210> 6124
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e10b1

<400> 6124

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cttttgtgct tcttggttat caaattatat gttgctgatg agacagtttg actagttcta 180

gatcgcga 188

<210> 6125
<211> 528
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316025e11b1

<400> 6125

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tgccgatggc tatactggaa atgtgcagtt tagagatgct acataagaac tgtgtgagca 120

ctcatgtttt acaaattagg atcacaacag tgacactaaa gaagtgaaga tgcaagtatc 180

tgtttccgcg aagtcactcc tttgtacttg tattgtttcg ttttactcaa gtgccttgat 240

acaagatact taagtatttt tcggttttac ctcgttcctt attactaacc cacaaccgta 300

cttncggtta atgtggtctg gactgtcatt caggtgcttg ctggagcttc cagctacagg 360

tgccatggaa ggaataaaca tgatcacaac gggctctctt ctcatccttc ctgagtagaa 420

actaatcggc tgtgacagat cccacaatgc tggctgtggc cggtaggctc atgaactatg 480

cttttagttt gtgattaata atggcggagt gacacgaagg atgacttc 528

<210> 6126
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e12b1

<400> 6126

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ctgtctgtgt gcacatctgt ctgataacat cttgagcgag ccagaatgct cgagtgacac 120

gaaaaatgcc atcagaaaag catatctact taccgatgag aaaatattgg aaaaagcagc 180

tgagttgggc agaggaggct ccacggctgt tactcgcatc ttaataagca ggagcgatag 240

tgcgaagcta gaggtcgcga atatgggaga ttcacgagca gttattagca agaatggcaa 300

cgcagagcag atgtcagttg atcacgagcc tagcatggag ggagaaatta tcgaggaaaa 360

aggcggattt ggttcgaacc taccaggaga tgggccacta gttgaagggc acttggctga 420

tgcaagagca ttgtgagacc ggcgcttgaa tagcacctca cctctgagc 469

<210> 6127
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f07b1

<400> 6127

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cgcgcgacaa gagcaaggtc accgtcacct ccgacggcgc cttctccaag aggtacctca 120

agtacttgac caagaagtac ttgaagaagc acaacgtgcg ggactggctt cgcgtgatcg 180

cagccaacaa ggagcgcaac gtgtacgagc tccagtactt caacatcgct gagaatgagg 240

gcgaggagga ggattagagc gcattgccat attgtagcgc ttgccgagtt ttgacacttg 300

atctgagtac ctactagcta tccacctatc ttatgttgtg cccctatgaa catggatggt 360

ctaattcgaa g 371

<210> 6128
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f08b1

<400> 6128

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agatgagcag cgtcatcgtg cctatgcgtg tgtgtgtgac caacaaatat gtataccaga 180

atgtcgagtc ttaggcgctg cgtttgctct ctcgagaaaa agttggtgtc gctgggtgtg 240

cagctatccg ggatatcctt cgcgcataga cacctgtagg gactgggcgt ggctgccaat 300

aatgtgagct gttttgacca cgcaataacc aaaaaataat gtgttgcaaa aaacaaccct 360

tttgaagctg gcgaaataaa aaaaagacaa aa 392

<210> 6129
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f10b1

<400> 6129

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caaaaagaga aaaaagaaaa acaaaaaggc tataaacg 98

<210> 6130

<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f12b1

<400> 6130

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ggtcgatgca gccaggacca gagatagact gatcatcaag gtagtggagg cgcgggcaca 180

ggctctcccc ctcatgcgcc taacggaagc gaccgacctg caagacgagc acgctgcggg 240

tcctgcgcca gagcacgggc acatgaccat ctaatacgga gaccaggcgc tggagcataa 300

cgaggtccct gcagaaaggg tggccgagcc gatcaggata gctgccacaa caggcaccgt 360

gccaggggac ggcgaccagc ccatggggag gaaggcgctc gctgatcgga ccatggagaa 420

gcgcagagga agggttgccc cgcgcgcagt accttaca 458

<210> 6131
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025g04b1

<400> 6131

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gagagagtga gtacccacaa cgggggtagc tgtcgccgtt gagggccagt gcgtccatgt 120

ggtggaatcc atgacctaag atgcactggt tgctctgctg cggtgtctgg gagaacagat 180

gaa 183

<210> 6132
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025g08b1

<400> 6132

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aaggaagaca aaatgggcga gacggaaaag gcacagagct tcaaaaagct ccatgccgcg 120

ggtaggaagc tgaccttcat gacatgctgg gctcatgagc agccaagtga ggcctcgcca 180

tcgctggctc gcatcgctga ggtgcacaaa gtggcttctg aggagcttga cagcggaagc 240

ggactgagga aggcaggtcg aaagaacaac ccacagtcca aggctcttat cgaggaggtg 300

taagcatatc 310

<210> 6133
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025g12b1

<400> 6133

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tccccttat gcccggagcg gaagtgcccg cactgcatga cgagcactgc tgtgggtcct 180

gcaagcggag cacgcgcaaa tgaccatctt ttactgcggc caggtgc 227

<210> 6134
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025h01b1

<400> 6134

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gatcgatcct gccctgtgca agacatcaga atatggatgg atgaacactg gtcgaaatca 180

tatcatatct accggcccat tttgtctggt acgggagttc agttatccgg catttggaga 240

aaggctgtgg tgggatatat gatgatagca tgccctatta tccgaaagcc cgcaccggct 300

cttctggcca cacaatagca tt 322

<210> 6135
<211> 311
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025h02b1

<400> 6135

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gagtagggga ccgcccaact ggcgttatga tgaccctcct gggccatcgt tcctctgctg 120

aggagaacct gacccctgaa gaactgattg tcctgcctcg ctgagctgcg ggaacaactg 180

atactcatga tggccggctg acggtgacga atgaagaact ggagctccct gtggctgagc 240

tgaaggagga ggtggatgac acgaggacta aactcggtac tggccgacgg tttacaacgc 300

cgtgactggg a 311

<210> 6136
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025h10b1

<400> 6136

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ggcttagccc tcttcgacac gaacggcgat ggatgcatca gcttggaaga gctggccgcg 120

gtgactggct ccctgagcct agatccgacc aaccaagagc tcaatgacat gatgcgtgaa 180

gtcgacatgg atggaaatgg caccattgat atacaggagc tctggagcct cattgccagg 240

aagatacaag atggatatgg cgatgaagag ctcaaggaag cttttcaggt cctggacaag 300

gatcagaatg gaaatatctt cgctgtcgag ctgatgacgg tgatgatcaa actccgggag 360

aagatgaccg accaggaggt taggcacctg atcagggagg ccgacactga tggcgaccgg 420

catgtgaact acgacgaatc cgc 443

<210> 6137
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a01b1

<400> 6137

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ggggtgcagg tctgtgtgcg gccgaggata tcggtggaca gaagttggag aaactggcac 120

ccaagatcga cgagcctgtt tacctgtgta aggacgattg ctttgtagct gcattcccct 180

cctcgcaaat ccacatcacc tatggaattg attttccaaa ggcgccagcg attggttgtc 240

aatggttcaa tactttcctg gatgctgata tatactcaag caagatagct cctgcaagaa 300

ctttctgtat ttttgaagag gttgaaaaaa tgcgtgatgc ccggctataa aaggaggatc 360

actggaaaat gctatggttt gcagtatgtc tggtggttgg cttaacccac cacttcgttt 420

tgatgatgaa cc 432

<210> 6138
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a02b1

<400> 6138

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ggacgaaatt aatgaacaga cagaaaacat gaaacaaata caagatgctc tgtcagctcc 120

tcttggagct tctgctgatt ttgacgagga tgaactggaa gcggagctgg aagagttgga 180

gggagcagag ttggaatctc aactactgga gcctgttgta actattccta ttcatacgac 240

acccgtccca ggcaaggcac aaccaactcg tactgctcca cagaaagcat cggctgagga 300

ggatgagctt gctgcactgc aagctgaaat ggcattgtga tcaggctccc agtgaagaaa 360

gagttgaaat gtataaatga ttggctggac ggtacgtggt cgcaggcgag tctggctaca 420

catatatttg cccgtgtgtg tataatctcg ggtgggagac atttgacgaa cgaggcatga 480

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gacataattt ttg 553

<210> 6139
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a05b1

<400> 6139

aaaaaaccga aaaacttttt aacacccggc gaaccggcgc gggcggccac gatga 55

<210> 6140
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a09b1

<400> 6140

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cctgatacct atgatatgaa tctacggtcc atgctatggc acctactggg cactgtatca 120

ccagatgccg c 131

<210> 6141
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a10b1

<400> 6141

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agggttattc gtatggtgtt ttgtttagtc atggtcggtt gaggagtaaa ttccatggtc 120

cttcctggga acgattggtc agtgattatg gtgttcgtcc tcgtgatata atgaccatta 180

ggcttgaaca ctatggaaca tggattggta ttgattttaa tcgtgttggt cgtggagatg 240

cgttgtctcc tttaccttct gttggtaagg tttattttta aggaactttt tagcttgttt 300

tattgcacat gatgatttgt ctgttccctc gagactgtgt aattatattt tgcagctctt 360

gatggctcga gcgactccga gatggaactt attgagagtt gttattacac ccgtggtgtt 420

tttcttaatt atcagcagat gtatttcatg aggtgtc 457

<210> 6142
<211> 474
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029b01b1

<400> 6142

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gctctcccgg cgtccagctc caccctgtcc cgctaactct cctcccgccg gatccagccc 120

acggacgtca ccgccctcgc cacctggggc atcttcgccg gcagcgccgc catctacctc 180

gtccagccat ttgactggat caagaaaacc ttcttcgaga agcccgagcc tgaggcataa 240

gtgtctatgg gggtgcacgg ctacagcttt tgatgcgtac attntcagga tgattctctg 300

agtttggaca acccagccaa taatatacaa gaccctcgtg atcccttggt tgattctcca 360

tccagatgta ggtttcctct tgcgttgcat gtaaccctca ccatgggagg ggaatgatca 420

tgtaaattta ttttccgtca cagaggaaag aaactgtgct tttgttatta aaaa 474

<210> 6143
<211> 576
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029b02b1

<400> 6143

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catgcagatc gaggaggcca acgccgccaa gaagctggtg gtggttgact tcactgcatc 180

atggtgtgga ccatgccgca tcatggctcc agttttcgct gatctcgcca agaagttccc 240

aaatgctgtt ttcctcaagg tcgatgtcga tgaactgaag cccattgcgg agcaattcag 300

cgctgaggcc atgccaacct tcctgttcat taaggaagga gatgtcaagg acagggttgt 360

gggagctatc aaggaggaac tgacgaacaa ggttgggcta cacgcggcgg cccagtaatc 420

acctagcgga gtagtattcg cctaaataaa attgtggctc aagaagcggt gcctctaatg 480

gcaccttata tcctgtgtac tgcttgttac tcgtggtcgg tgatggtgaa tacgtgtgac 540

tttattcgta aaatgttgat ttcataggag ctgact 576

<210> 6144
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029b10b1

<400> 6144

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cagaagacct gcaacatctt cttccgcaag gacatcaagt cggccgtggc gtcccaacag 120

aagcaacttg atatcgccaa ggcgaagctg cagaagctgg atcaggcatc atgaaggttc 180

actgcaggca gaaatttgaa attgcaactt atgctgcttc atccatccac ctcgctgaat 240

tctctctaat caagtgtctt cggagtgcca gttgactagg atgcaactta tatagatttc 300

tgtgtaataa tggtgtgttt aatagttacg agtgcgagac acatcatttc tttctgaata 360

tggtggagac tggatacggg actgttgtca caatagaccc attatgaagg tgatgcgatg 420

atttgatgga gctaaaaaaa aacaaata 448

<210> 6145
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029b11b1

<400> 6145

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cggagccggt gaggctcatc agctgcttcg ccagcccggt ggtccaccgc gccgagctgg 120

ccctgcgcct caagggcgtc ccctaccagc tcatcgagga ggacctcaac aacaagagcg 180

agctgctgct cacgcacaac cccgtccaca agaccgtccc cgtgctcctc cacggcgacc 240

gctccatccc ggagtcgctc gtcatcgtcg agtacgccga cgaggtcttc tccggccagc 300

cgctccttcc cgtcgacccc ctcgcccgcg ccaacgcccg cttctgggcc cgctttctgg 360

acgaggagtg caagaagccg ctgtggatgg cgctgtggac agacggcgag gcgcaggctg 420

cggcggcgag ggagaccaag gagaagctga cgctgctgga ggcgcagct 469

<210> 6146
<211> 280
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316029b12b1

<400> 6146

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agatgtagtg aaaaacaata gcatttttgt taaaaaaaag agagaatggc atttcaggct 120

gtacctgtna aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat aaaaaaaaaa 180

aaataaaaat acaaactaat aaaaaacata taacgggggg ggcgcaatat aggatccaat 240

gttccgtctg ctgcgcaaac aacgtcactt gctttttttt 280

<210> 6147
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c04b1

<400> 6147

ttatttaaaa aaaaaaaaaa aaaaagaaaa aaaaaagaaa aaaataaaaa aaaaaaaaca 60

aaataaaaac acaaaaaaag aacaaaaaca aac 93

<210> 6148
<211> 541
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c06b1

<400> 6148

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ttttaaattt gaagaagata tcactacaat tacatatgaa aaatgtcagt cactctgaac 120

ttttataagg gcaaaatcac tgtctacttg cttatattaa agtacaacat tgttcaaact 180

ttatattgat gaatatttgg tagcgaattc agcgatattc ttgtcggaac ttccttcttc 240

ccgcattgcc tccttggcct tttgcatcca cttcacagca tttcttttgg acttatcatt 300

tctctccaca tccatcatct ctctaatgca cctctcaacc tcctccatct ttagatatcc 360

attattgtcc ttccgtacac gcacacccat gctccatgca ctctccatat actttgcaat 420

ggtgggttgg tctgcccaat gcggaatacc cacaagaggt acaccattag caagtgcctc 480

tagtgtcgag ttccatccac aatgggtaac aaagcaacca atagccctat gtgcaagaac 540

c 541

<210> 6149
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c08b1

<400> 6149

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tgatgctggc ctgaacatga tgagaacatg tacatacaac aggcgaaata catggacatt 120

atgtgccatt gtttctttgc gtaggggccc gtgtcttaag aggacccgtt tgcccctctc 180

cgctcggtgg gcgaaccact ttttttgggg gtcccccaga tctatgtctc ttggacgggt 240

ttgtcccatc cgtgtggctg ggcaaaacgt ggtgtttccc aacctaaggc ctttggttgg 300

cacttccccc tcttcccctg gttttaaaaa ataaagggcc ctgccgtacc ccccttttcaa 360

cacttggccc cccatttcgg gtaaggggac ccccccttttt ctggggctat taggccgggg 420

ggttgtgggg ttcccc 436

<210> 6150
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c10b1

<400> 6150

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gcgctccgca cgtcgccgca gtggctcggc ccccagatcg aggtcatccg gtctgccacc 180

aagtccatcg agcgcgaggt caactccgtc aacgacaacc ccgtcatcga cgtccaccgt 240

ggcaaggcgc tccatggcgg caacttccag ggcacgccca tcggtgtgtc catggacaac 300

acccgtctcg ccatcggcaa cattggc 327

<210> 6151

<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c12b1

<400> 6151

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cgctccggtg cgccgtcgac cttggcgtcc ccactgccat tcaccgcctc ggcggcgccg 180

cgtccccatc cgaactcgtc gccgccctat ccctccccac gtccaagctg cccttcctcg 240

cccgcctgct gcgccaactc gccacggcgg gcgtcttcag tgcaaccgac gccggaacgt 300

accgcctcaa cccgctctcg tacctcctgg tagacggcgt ccgcatcgac ggcgacgcta 360

gccagacggc cctcgtgcgc gccgtggact cgcgctacta cgtggaggcg gctatggggc 420

tggcggactg gttcaggaag gacttcgatg gagcccgtcc ctcgccgttc gaggacgtgc 480

at 482

<210> 6152
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d01b1

<400> 6152

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aaaaaaaaaa tgaagaaaaa aaaataaaaa aaaaaaataa aaataacag 109

<210> 6153
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d04b1

<400> 6153

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aggagaagtg tgataacttg acctcagaaa atacatcttt acatgaaaag cttaaagcgc 120

ttgatagtga gaaaccaaat ggaaacttgt gaagcagggc ctcgctttct gactgctgat 180

ataaattgga ggtgacatga taggccggag ataattagga ggtgttcatg tgtgcaatta 240

gatttttggc tgagatggta ggattgtatc ataggattca acatgatggc tacagattct 300

tcttcttcca gtcgtggcag ctgcggtgct ctatggtgtg ttttttttcc tgctttatg 360

tgagatgcta ccttagcagt atgcaaagat ccccaagtta tatttgagac tttgcgggat 420

tagcttataa gatgcttgtt gtagagctgc tggttgacct gaactgatgc tttgctatag 480

cgatgattta taacattcag agttacttta cc 512

<210> 6154
<211> 645
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029d05b1

<400> 6154

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catggcagta ctaagagccc taagggagag ggattcttca tgttaccagc tgccccgtgt 120

ggtacggcaa ggcgagcagc caagagaagg cttcctactt ctgtccaacc tcgtcgagga 180

tcagatggca ggaacaagca gttacatgga ctggatactc caaatccacc gccaaacaca 240

gagctcgtga tgatgtacgg cggatgttcc agaaattttt gtttttgtgt aaactgctgc 300

agattcggct gctgtgccag tccccggtcg ccctcataac cattggaaca aaaaatggcg 360

agccagccgt gttctacaaa tgccatcctg ttagcagcag cagcgctctc gctgtcggcg 420

agcaatacaa actntattgt taatantttc gtcttgtgat tatttntcgt gacgagacaa 480

ggatacacaa gctgttgtac cagaatatgt aggcagcacc ttttgtcaaa tgtacaagcg 540

tttgagtctc cgttagggtt tgaacgcatt tgtatcgcca caatcttagc tgcaagatgt 600

gaaaactttg ttgaaaaaaa aaaaaaaaaa aaaaaaaagg gcgcc 645

<210> 6155
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d06b1

<400> 6155

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gaatgatctc catgtgtact gccgctcccg cacggggatc tctctgaatt aatcgacata 120

agcttctacc gttt 134

<210> 6156
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d07b1

<400> 6156

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gtgcctctgt tgtcaactct atttcatttt tacactgtca tgcttggagt ttaatgcaag 120

tgtattaagg aataatgatg attattgagc tgggtagtcc ttgtggtgca gcttgtatag 180

ttctaaaaat ttctggtatc taaaaaaaaa aaaaaaaaaa taaaaaaata aaatatcaaa 240

aatcatagtg caaatctcaa aaaagtttct tttacactcg atatcaaacc tg 292

<210> 6157
<211> 507
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029d08b1

<400> 6157

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ttcaggaagt gcatggagcc agtggagaag tgcctgaggg atgccaagat ggacaagagc 120

actatccatg atgttgtgct tgttggtggt tccaccagaa tccccagagt tcagcagctg 180

ctgcaggact tcttcaacgg gaaggagctc tgcaagagca tcaaccctga tgaagctgtt 240

gcctacggtg ctgccgtcca ggctgcaatc ctcagcggtg aggggaacga gaaggtgcag 300

gaccttctcc tcctggatgt caccccactg tctcttggtc ttgagactgc tggaggagtc 360

atgactgtgc tcatcaccag gaacaccacc attcccacca agaaggagca ggtcttctcc 420

acctactccg acaaccagcc tggtgtgctc atncaggtgt ttgagggtga gaggacaagg 480

accagtgaca acaacctgct cggcaag 507

<210> 6158
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d10b1

<400> 6158

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tggaagggta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaaaaaaa aaaaaaaaaa 120

aaaaaaacac aaaaaaaaaa aaccaaaa 148

<210> 6159
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d11b1

<400> 6159

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aggttctccg gtagtcaaaa ggacttcttc aagaatttcg cggtctcgat ggtgaaaatg 120

gggaacataa gtccattgac gggaagggct ggggagatta ggaacaactg tcggagggtg 180

aacaacaaac cctattgaag aatgagatta atgttatgag ttgtgaactc attgtccttg 240

tgtatatcat tcttttaatt aattctaact gtaagtgttc ccttattatt ttctttggaa 300

acacacgagg cctaaacttg agactggcca gtcttttaca actttagtgt ctgggaaaat 360

cccgctttcc cccacctcaa tcgcctagca cttcatgccc ctttctc 407

<210> 6160
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d12b1

<400> 6160

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cgtgtcgcta gcagtgttgg tacttctggt tcaggatcct ttaacccaca agttgtgccc 180

cgcggttgag gtaaatcctg aggacgacat gcatgggagt cttgggagta gcatcttcac 240

cgttttcact tcacgaaact cacacctatt gtcctttagg accgtgtttt gagaacctag 300

tatagttgta ctttactacc tgtggtggtt catcttgaat tggagagata ccctcttggt 360

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gttctcggct atggtattgt agccttgtgc tct 453

<210> 6161
<211> 563
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029e01b1

<400> 6161

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ccgctttctt cgccgccggc acgccctatc ccgccgtctc cttcatcatc ggcgcgcccc 180

atcctgcgcc cttcttcgct gccggcgcgc cccatcacgc ggcccttctg cgccgccggc 240

gcgccccatc ccgccgcctt cttcgtcgtc ggcgtgccct tcttgcggcc ttcgccacca 300

cctcccgtcc cactccaccc tccctcgttc ctccacctcc ttgccccgat ccagaccgcc 360

cagaccccga cgcctccacc aacggcgcgc gcggacctcc ctccctctac cgcctccctc 420

ctctccagtg gctggcttcc caaagcgccg acgcgcggcc atctccccaa tccccggatc 480

agctaggggg atcccgcgct cacagncgac cacagggccc cgcgctacca tatgcgaact 540

ncgcggatcc cggcctcctg atg 563

<210> 6162
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029e05b1

<400> 6162

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ggcggcctcg cctgggccac cgacgaccag tccctccaga acgccttctc caagtacggc 180

gacgtcatcg actccaagat catcactgac agggagacgg gccgttcccg cgggttcggg 240

ttcgtcacct tcgcgtcgga cgaggcgatg cgccaggcga tcgaggccat gaacggccag 300

gacctggacg gccgcaacat caccgtcaac gaggcccagt cccgccgctc cggc 354

<210> 6163
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029e08b1

<400> 6163

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tggtatccag acgggtatgc tggcgggcgt gtgtgcattt ctattgttga tgcacctggt 120

gatgacccga atggatgcga gcttgcaaga gaacggcgga cacctgtgcg cacagttgag 180

agcatagttt tgagcattat taggatgctc tctaggccaa acgatgagac tgcagcagat 240

attgacgggg gtgaagactg gagagaaaag agggccgagg tcaggagact ggtgaggagc 300

cttgatggca tgcttcaaga aatgctgtgc atatggagga gcatacgggg gagtccacaa 360

gcgctggaat actataggtg gcaccaagat ggcgcacctg gtgccagcac ttggactatt 420

ccccatgtaa tgttccattc atggtgagtc gaatggtga 459

<210> 6164
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029e10b1

<400> 6164

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agccgctcat tcttcatcta ttaggagtca aagggatatg aagagtagca ttcgtgagga 120

aatgtttttc tctggtccac aaccttcgcc tgagcctagg aaccgaaatg ttcctcttct 180

ttcgggcttt gaacgtagag tttgggttga gcttcttgct tggcgcttcc atacaggaaa 240

gttttgggct ttgtataagc tcaagaaaca tttgttcagt gctttgcatt atcaggatta 300

taacatggtt atgtccattt acaatgatat ggacatagat aattatgttt tccaattcgg 360

ttgttgggct gattgtccct cttggagatc ttgtatccat cgtggttcta tttctggcaa 420

ctcaactcag ccactttacc attatcaagg aactccacgt gagttccttg atgaagggtc 480

tgagactggg tctgatatag aggagcagat ggccttcggt tctggagtgc cctcttgtcc 540

aattgaagc 549

<210> 6165
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f05b1

<400> 6165

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aaacctaccg gagatgaagt tcttctcggc gttcgacccg tggccggtgt tcttccgccg 120

ggagtggggc cgcacctggc ccttcctcgc cggcttcgcc gtcacggggg ccctcatcac 180

caagatgacc gccggcttca ccgaggagga cctcaagaac tccaagttca tccaggcgca 240

caagaagaag tagtcgccgc ccgcccggtc cgtgcgacga caggtcacag gggcagcagc 300

tgagtaacca gcatgtgttc ttgatgcagg gagccagtgc tcaccctcac tattgtgatt 360

gagctattat gtttttttt tcaaatccaa ctgcatgcat tttctgctgc tctggtttgc 420

aatgtaataa gcaacatttg aatcgtttga tacaagagaa aaacggcttt ggataaagta 480

gctgccatgg g 491

<210> 6166
<211> 117
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f06b1

<400> 6166

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ccaccgatta ttatttggag atattatcac gattcataga acatattttt tatgttc 117

<210> 6167
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f08b1

<400> 6167

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cagggccatc aaggacctga tggagagggg gctcatcagg atggtgtcaa tccactccag 120

ccagcagatc ttcaccaggg ccacaaacac ctgatttacc tcatgtgttg gctgcctgtt 180

ttctagtcca gtagactgag atgtcgctgt tatattgacg ttcattatgt tcagcgaggc 240

actttggcac tcgtgccaca agtatgttga attgcttttg agtttttggt acaatctaag 300

acgcaatgaa atctaccttа tatt 324

<210> 6168
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f09b1

<400> 6168

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gacccggcgc gagagacgac caagaatcaa caagcaccgc ggacgcaggg ggatgaacga 120

gatgagggag agggcgcaca acaggaggga gcaaggccac tccaggccaa agattcgcag 180

caggaggaca ccaaacgaaa gacgaaatga gtgggcggcc cggctcgcag ggcgaacaac 240

tgaaccgaga tggcagcctg acggggacaa aagaagaacg ggggacccgg gcggcagagc 300

caaaagagga gcgagatgac accaagccca aggcaggcac aggacgcaaa gaacaacacc 360

gtgactggga aaacccaaga gcggcccaac agaac 395

<210> 6169
<211> 590

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029f12b1

<400> 6169

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tattccgaag acatcagttt aaatcgaggc atcttggaaa actgctgctt tatctccaat 120

ttttttggtg gttgctttgt cgccaaacat acaaagaaaa ttcgaagttc gctgccggac 180

gcctggatga ccttgtagcg ctattgacca gtgaaacaat ggaaaagaag ttatgctgcg 240

agtacttgaa aagtgaaaaa aattacaata attagaactg ctgaaacgcc tttccgtatg 300

cactttgtgt tgcttcctgg gtggtcacca gtgattcggt agaacgttac ctggccattg 360

tgcgaacgac cggtgtgtaa tactcatttc caaactgcca ttcccctgtt gaggaaggct 420

accgcaccaa caactggtga actgagaccg tttggttgta taacgtgtac gctggaggaa 480

acaggaaaag aattcacaga atcgctctat acttgatngt atgaagtttg cttggtcaga 540

tgcttgccca tgaaatatga ttgcacttga tcgtgtttta agctcatgat 590

<210> 6170
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g02b1

<400> 6170

ttattaaaaa caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa accataa 97

<210> 6171
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g04b1

<400> 6171

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aggccgccat cgacatgagc cggtatagct gaagattggt gcctggttga ggggctactc 180

gagtctctat gaagctgctg taacgcattg tggggaacga ttcactatga actagctcaa 240

cagttttgat aaccgttatg tggccatttt ttt 273

<210> 6172
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g05b1

<400> 6172

ctaccagctc cagaggtggc tgtaaactat tacatgaatg aggatctcta catgtttgat 60

gagtttcaaa catcaagagc tccaaattct aggaggccta aagttgataa cttgtatgat 120

gtattcgtga atgtacggga cgatgaggcg gagcattgca agacaatgaa ggcttgtcaa 180

acgcatgaaa ccctccgttc tcctcatgcc gtgcagagct cagtagaagc tgatgcagaa 240

tgattctgtc aagaagtccc ttggaaatga agactgaccg gttgtacgta cctccgtgct 300

atagcgtcgt agagtatcat actaaatttt ggtgatatat tgtattccat ccttttctc 360

ccttctcttc gtatgtagac attagccaga ctttcgtact tgtgaatctt acatagggaa 420

tataggttta taaatgcatc acagatttac aatgagagac gtgcattgtt tgtcaggcat 480

taccgcgggc catgaacggt gtaatccagc tgtgttgtgg tctgtgtaac atcaaggggt 540

ttgatg 546

<210> 6173
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g06b1

<400> 6173

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tctgaaggag ctgccaccta gtgtatgtga aatcagctct ctggaaagca tctcctcgtc 120

aaactgccat gacctcacag agctgccata tgagctgggc aagctgcact gcctgagcat 180

cctacgggtg tacgcctgcc cggcactgtg gaagcttcca ccgtcggtat gcagcctgaa 240

gaggctgaaa tacctggaca tatcgcagtg cattaacctt acggaccttc cagaacagct 300

tggccacttg acaaacctag agaagatcga catgcgggaa tgctcgcggc tgaggagcct 360

cccgaggtcc tcctcgtcgt tgaagtccct cgggcacgtc gtgtgcgacg aggaaacggc 420

gatgctgtgg agggaagccg agcaggtcat ccccgacctc cgtgtgcagg tagcagaaga 480

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<210> 6174
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029g07b1

<400> 6174

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gacaccgact ccgagatctc tcccctcgac ccacccgcca aggccgcccg ccccggcgct 180

gacgaggagg ccgccgccga ggccaaggcc cgggtcgcgg acaaggggaa gggcaagatg 240

gtggtcgatg aggaggaaga aggcgacgag gaaagcgacg aggaggagga tgacgaggag 300

gtcgagggag atggcgacga gagtgacggc ttatgcgagg atcccctctc cgaggtcgac 360

ctcaacaaca tcctgtcctc tcggacccgc cgctgctccc cagcacagcc tggggcgtac 420

ctggtgccac cagaggaggc agctgaggat gacgaggacg atgaggacgc atacgtcgac 480

atggcttccg gngaggagag cg 502

<210> 6175
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g10b1

<400> 6175

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agatgtggag atttgggtta aactctccat gtgtttgtac aaacgaaaca gttatattga 120

ttgttgatta cttatcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

taaaacaaaa aaaaaaaaaa aaaaaagggg ggggcctttt taaagtaccc aattttacct 300

ccccgggctg gaaagctaaa attttttttt tggggaccct aaaataaaat aactgggccg 360

gtttttaaaa accctg 376

<210> 6176
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g12b1

<400> 6176

ttgttcatta gcgttataaa cttgtcaaca agtctataac ttggtagttt tgccaagcta 60

tatttgctgc aaggacaaag ggcaactcca acgggttgac ct 102

<210> 6177
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h01b1

<400> 6177

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acactgagaa acacgtcgac ttctcgctca ccagcccccc tggtggtggc caacctggaa 120

gagtgaagcg gaagaaccag aagaaggcct caggtggtgg tggtgatgac ggcgaggagg 180

aagactaagc gctcagcctc gacccgcaaa cttccgttgc agaaatgttg agattgcctt 240

gtggatcttg caacgggaaa tgattcaaac tttggttcgt tcttagaaac ttagtggtgt 300

agagctttcg ttgcttcaga atcatttggc tatcgattct aaaattaaac ttatgtttgt 360

tggttctgct tggttagtga ctaccgagca gaagaagtga actcagtgat gctgctttcg 420

tttttgtgaa ccaaacgta 439

<210> 6178
<211> 175

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h02b1

<400> 6178

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tacacacgtt acatgtagta agtactactt gtatttgtac ttggagtaat ggtatgtaag 120

agaaataatg tgtgaaaaaa gagtacatga cgaaagaatg aatgtgattg ataac 175

<210> 6179
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h04b1

<400> 6179

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atgactagac caagaagg 78

<210> 6180
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h06b1

<400> 6180

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cgttcgccca cgcgtgcgga ctagttctag atcgcga 97

<210> 6181
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h07b1

<400> 6181

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ggcctacccg cctccagggt acggcgcgcc gccggctgtc gccgctaact accagcagca 180

agccccgccg caggactcgc aggaccgcgg aggcgacggc ttctggaaag gatgttgtgc 240

tgctatttgc tgctgctgcc tgctcgacat gtgcttctga tcacaagttc ctactgccaa 300

caccaggaaa tcccacgatg atctactcac tcagagctgc tcatagctga tcatggttat 360

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atactgcatc tggat 435

<210> 6182
<211> 529
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029h09b1

<400> 6182

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gcaaggaatg ctgcaattgc aaatagctac tttgtcggat caattaaccg ggtaggcaca 120

gaggtattcc cgaacccatt cacttctggt gatgggaaac ctcagcatgc cgacttcggt 180

catttctatg gatccagcca tttctcagcg cctgatgctt cctgcacccc atcgctatcg 240

cgctaccgag atggcttgat gatatctgac atggacctga acttatgccg ccagatcaaa 300

gacaagtggg ccttccgcat gactgctcgg tatgacatgt atgctaactt gctttcagag 360

tacttgaagc cagattttaa gcctcaagtc atcgccgatc cgctgataaa taagagggct 420

taattctgga tcagttgggt ctaagcagac gaagtcgatg ccctctccct tcttttctgt 480

atatgtngta taattataaa aataaatcag taaacatctt ttgatcaaa 529

<210> 6183
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a02b1

<400> 6183

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gaacctttgg tcagatcaag agatgatgaa gttatgacct tatggactga tgatcaccat 120

gtttggttct ttaggctcga catcggagag ggcaaggaga tcaacctcga ggaccgatgc 180

ccgcggtcga agcttctcag ccagtgcatc aagtatcttg gtccggtaag cttttgcaaa 240

cagtttagta catgggataa atttagagaa tgcaagtcca tgagagttca gaaggactaa 300

tgattcaaac tggatttttg ttgtgcctgc agaaagagag agaggaatat gaggttgtga 360

tcgaggatgg caagttcatg tacaagaaca gcaagcagat cctcgactcc tcggcggtcc 420

gagggacgca aagtggatct ttgtgctgag cacatccagg aatctgtatg ttgggcaggt 480

aatg 484

<210> 6184
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a04b1

<400> 6184

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acagacgtca gacaaatgga cgcacgcgac gcaaaagaaa aaagaggaga cacgaaacat 180

cgaccgaaag atacaccacc ccaaaggagg gcagcataaa gaaagcatgt aacgattcac 240

agactaggac ataaataccg cagcagaata gctaaccgaa tcgaactaag gagctcagag 300

acacaaag 308

<210> 6185
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a05b1

<400> 6185

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ggcacaagag ggccggcgca ccgagcacga aaaaaaaaaa cccaccgggg aggaccacaa 120

caacaagaga gagccgccgg gggcgggcga ccccagaggc ccgacgcgcc ccgcgcgggc 180

aacacggcga ccgaaccatc cc 202

<210> 6186
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a06b1

<400> 6186

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atgcactatg gacttgaggg catacgcaac tagatgatcc agaaggacct catcagcaag 180

atctaccacc tgccaaca 198

<210> 6187
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a07b1

<400> 6187

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atttccaaca aatattcgga gttgacaaat ctcccactac atggctatta ccgggcaaac 120

ctgatattgg tgatggtcat cgattcccca ccttggcttc attaacctct cttgctgaag 180

aacaagaact tgctcgagct gttcaacctt gacctccact agggagcatt aaccaagttc 240

cacgctttaa ccaacctttt ctgacccccg cccgcattct caagctacat taacaacatg 300

acaatcggat aacggatggg caggcagtgc agtgctatcg atgccacaac tgatgatcac 360

taatcaagat gaatgtgtag catggaccat cgatgacaca atgataacaa tc 412

<210> 6188
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a08b1

<400> 6188

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cgaagaagca agccaaaccc cgtcgaca 88

<210> 6189
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a11b1

<400> 6189

cctcgagagt tggtaccacc ccttcccatc ccgaacagga ccgtgaaacg actccacgcc 60

aatgatagtg ctgcaaccag tgtgttgtct cattgatcat 100

<210> 6190
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a12b1

<400> 6190

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ctctatttt tacttcccat gcactatgga tttgagggta tatgcatatt tatgttccgg 120

aggtaagtca tatgcagatt ttactactga ccatgatggt cgacttgctt tttttccttt 180

tgctgaattc cacaataatt tcctctatac ttccccttg gtaaagtgtt ccatgtaaac 240

tttaggtaag agtatatagt atggatgcat atatatgtta ttcctaaaag tcaatctttc 300

ctatggtcga tggcagatca ct 322

<210> 6191
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b02b1

<400> 6191

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atggcgctcg cgtccggcac ggcgacccgc ccgctcctgg gccgcctccc gggcacggcg 120

cggccccacc tcgccgtctc cccctcgccc tccgccccgg cctgcacggt ccgcttcgcc 180

gcccgcagcg ggggctcccg cgccgtctcc ctccgcgcct tcgccccgcc agctgctgca 240

acagcaacgc ctggtagtat cgcaccagct atctcattga cagagaaggc cttgaagcat 300

ctgaacagaa tgaggtccga aaagaatgaa gatctctgtt tgaggattgg agttaaacaa 360

ggtggatgtt ctggcatgtc ttacaccatg gagtttgaga gccga 405

<210> 6192
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b05b1

<400> 6192

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gacgcggcgc gagagcacac catgacacag acagcaccgg tgacgctggg gggagaccga 120

gaagagacgg tgccgcacaa acgggggaaa caagggccct ccggggccat ggccccccgg 180

gggaggagcc caggacaaag gaggaacgga tggcccgcct ccgttggcgg ggggaacaac 240

cgaaccggga 250

<210> 6193
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b07b1

<400> 6193

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cggcacggcg acccgcccgc tcctgggccg tctcccgggc acggcgcggc cccaccttgc 120

cgtcttcccc tcgccctccg acccggcctg cacggtccgc ttcgccgccc gcagcggggg 180

ctcccgcgcc gtgttcctac gtgccttcgg cccggcaggt ggtggaacag caacgcctgg 240

tagtatcgca ccagctatct taatgacaga gaaatggctt gaagcatctg aacagaatga 300

ggtccgaaaa gaatgaagat ctctgtttga ggattggagt taaacaaggt gggatgttct 360

ggcatgtctt acaccatgga gtttgagagc ccaggaagcg ccaaccctga cgaatcagtc 420

atc 423

<210> 6194
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b08b1

<400> 6194

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ctctgcggag gagctcacca cgaaagaaga actgcttgcc cccctccgcc cgccggggga 180

acaacagaac cgcggtgtca gcccgccggg gaccaaagaa gaacaagggc tccccggggc 240

agaactgaaa gaagaggttg atgacaccag g 271

<210> 6195
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b09b1

<400> 6195

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gacagaatta agtaacaaaa cgaaaggaat aaaaaatgca taataaaagc tcaaaaagcg 120

gaatataaaa aatgagatat tacagaaaaa acaaaaagtt ttaagagtca gacaaaataa 180

aagttataca acgtgatact aagcagcaga caaataagat caaaaattga caatgaaact 240

ctgagacaga atgacctgag atatgtgcaa tatagctact ctaacaagaa ctaaaagccg 300

acgatttaca a 311

<210> 6196
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b11b1

<400> 6196

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gacgcggcgc gagagcacac cagtgacaca gcacagacac gcgtgagatc gccgcgtggc 120

gagacccgag aagagacacg tgcccgaaca acgggcgaaa caagggccct gcgggggccat 180

ggtccctcgg gggaggagcc caggccaaag gaggaacgga tggcccgcct ccgttggctg 240

ggggaacaac tgaaccgaga tgaaagcctg acggggacaa a 281

<210> 6197
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b12b1

<400> 6197

tcctcacgcg gccgcccacg cgtgcggcca cgcgtgcgtt atattgaaaa aaaagaagca 60

gccggaagac ccagaagaga aaagagaacg acaaacaggc gaaaacaagg cccaaagggg 120

ccacagaaaa cacagaggag gagaccaaga cgaaagagga acaagaaatg cccaacaacg 180

gggggcgggt gaacaagaga accgcgatgc cagccggacg gggacgaaag aagaactgg 239

<210> 6198
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c01b1

<400> 6198

tttgtcgcgt gggtgctcct tctgtccaca tttactcaag ctcaaacaga gaaaacgttc 60

aacaacgact acatgggtct tttgcacaag taccaagtcc agaagaggtt caacaacgac 120

ttctatggca tgcttggcag gtatcagcag cggccataca aaaggatgat gtacggtgac 180

tactacaact ggctaaggaa ctaccaagat cgcctaacct actagagaga cagagagctt 240

gggtaaagat ggagctgtta taaaaaaaga ctggccctat gcacc 285

<210> 6199
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c02b1

<400> 6199

tgtgtacgcg tgggtgctcc ttctgtccac atttactcaa gctcaaacag agaaaaggtt 60

caacaacgac tacatgggtc ttttgcacaa gtaccaagtc cagaagaggt tcaacaacga 120

cttctatggc atgcttggca ggtatcagca gcggccatac aaaaggatga tgtacggtga 180

ctactacaac tggctaagga actaccaaga tcgcctaacc tactagagag acagagagct 240

tgggtaaaga tggagctgtt 260

<210> 6200
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c03b1

<400> 6200

tccacgcgtc cgcttatata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaga aaaacaaaaa aaaaaaaaaa aggacaaaaa 120

gagcaaaaaa aaaaaagggg ggggccgcct taaaggatca aattttactt ccccggccat 180

gcaaggtaat agctcttctt tagggccccc taaatcaaat caacgggccg tggtttaaca 240

ccgctgggac gggaaaaacc ctggggtgcc ccaagttaac cgccttg 287

<210> 6201
<211> 392
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316030c04b1

<400> 6201

tnctcacgcg cacgcaaaaa tcttcactgg caatgcacta tatacaaaat aatagtacaa 60

acagctatgg gtaagtcaaa tgcattggct gcaacactcg gtgcttgtca tggcggtgta 120

cctcgccaca ctagagggtg tacatggcgt ctgcggcatg tcgaatgatg aattcaagct 180

ttgccagccc gcggcggcag tgaataaccc gacagagagt ccgtcgggtg agtgctgtgc 240

tgcgcttggg aaggccaatc tatcatgcat ttgccgctac aaaggcatcg ccggcatatg 300

gctgaaaatg taccacatcg acgcaaagcg cgccatggct ctgcccggca agtgccggct 360

caccatgccc aacaactgct cgtgatgatt gg 392

<210> 6202
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c06b1

<400> 6202

ccggaccggc attctcctgg ccgtcccacg caaacctcaa taccaccaat gaaccgggag 60

ctgcggacac cttttcacaa agcgcaccaa ttttgctgga ggttacccgt ggagagtaca 120

tgtacgtaca agtggccaga atcatggcac tgtcggagcc attggatcat atggggtcga 180

atacatgacg aaaaaggccc tgctggccca gctccggacg ctgggataac aactgccacc 240

gggcatgacc ctgacaggaa ccaaagaaaa acttgcattg ccgaatgtag aacttaaata 300

ggaccttgat tacacaaggc ctaaccttg 329

<210> 6203
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c09b1

<400> 6203

ttaccacggt gtccttctcg tcggctacgg ggcgtccggc ttcgcgccgt cccgctccaa 60

ggagaagccc tactggatca tcaagaactc gtggggtgag aactgggggg acaaggggta 120

ctacaagatc tgcaggggct ccaacgtgcg caacaagtgc ggcgtcgact ccatggctc 180

cacggtgtct gccacgcacg cctctaagga ggagtaggct ctgttctgat ctgatcggca 240

gccctcctgg agccgatctt ggtttcggtg tatcgctaga aagaagcttt aatatgtagt 300

agtcggctag gctccatcgt cgttgtggta tcatcagcag cgaagatgcg aagccgcaac 360

agaatgctcg ctgtataact tatgcatttg ctaaatttgc ta 402

<210> 6204
<211> 498

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c10b1

<400> 6204

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caggtgaaga accgtcagcc caatggtcag ggacgctggc ctgccaagtc tgctaagttc 120

gttctggatc ttctaaagaa tgctgagagc aatgctgagg tgaaaggtct tgatgttgat 180

gctctctaca tttcacacat ccaagtgaac caggcccaga agcagcggcg ccggacctac 240

cgtgcccatg gacgcatcaa cccctacatg tccaacccat gccacattga gctgatcttg 300

tcggagaagg aagagccggt gaagaaggag gctgagtccc agattgccag gaaggcctag 360

agaagggaag ctttacataa cctatctgcc tttttcgttg agcagtttgg agcatcctgg 420

cctgcctgag tcgaaatttt tggccaatta tctgtcgttt aaatactgct aggctatact 480

ttgtgaaacc ttttgatg 498

<210> 6205
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030d02b1

<400> 6205

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cagaggaggg gcttagaatt agattgatcg attagctatc aaactggcgg tgccagagtt 120

agctgctgct taatttgctg acggaatggc tgatgctttc gttctggaac tgtgggatga 180

ctgataaacg tacgctgcca cgcgcgaccg atacatgcat gtaaatcttg tttaacacct 240

tattaattga aatggttacc agtttgtaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaaattaa aaaaaaaaat aaaattaaaa aaacaattat attaccaaac ttaa 354

<210> 6206
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030d09b1

<400> 6206

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gccgtcctgc gcgccctcac ccgcgccctg gaggacctgg cccacgccct ggacgacgtg 120

atgcgcgccc ttgcctacct ggccagcctc atgacccacg ccagcgcccg cgccttgccc 180

aacgccataa gccgtgccat cggcgcctga tttgtatacc ctccggcggt acctttgcac 240

cggatcgtcg ctcttcgtta gaggtactcc accgaaagag agtagttcgg tcgcatgcgg 300

acctttttcat cgttattgag acaatcgggc atgatgagtg tgatttaaa 349

<210> 6207
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e06b1

<400> 6207

ctccacacgt ccgcccacgc gtccggccct gatacccgtt gaaacacctc tcccgaacaa 60

tggaaggtgt tgacgattgc accgcctgga tgcatgcctc catctagtta gcaatacaag 120

ctattgccac gaccttatat tgaacccata gtaatatcgt ctcgtgtgct taaatgttta 180

ctagtccgaa taaaactgga tgtctgttgt ttggttcaga aataataaag atggacggtg 240

tttctaacga at 252

<210> 6208
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e07b1

<400> 6208

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ggttcaacat cgacctcatg ggtctgttgc acaagtacca agtccagaag aggttcaaca 120

acgacttgta tggcatgctg ggcaggtatc agcagaggac atacaaaagg atgatgtacg 180

gtgactacta caactggcta aggaactacc aagatcgcct aacctactag agagacagag 240

agcttgggta aagatggagc tgttgaaaca ttgatgacac aaggcctaag cttggcactg 300

gccgtatat 309

<210> 6209
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e10b1

<400> 6209

cctcggagga agttgtgtct catcagcatt gcgttctgct tctatataaa gcacatccaa 60

gaatcactgt ccaaggtctc tctttcgatt gatagcatcg gtagcaggat ataacatcag 120

gttacaagcc tttgtggtac aggaaggacc gaaggaggaa gttggtgaga tacagaggga 180

agttgaattg ggacgaggga tagagataca accagcaaat gcgccgagga acagtaaggt 240

gctatttttct tcaccagtta actccttcaa gtatgcgttc ttgtcatcag tacacacagc 300

ctcctattgc aggtctctaa cactttcgcc caatggtccg atgcagactt atactgacat 360

tatcaagaga aagaatacgt tgatgtagca tatttgcact gttcatgtac aactgaaagg 420

gactaaactc taattgtttt tgcccttgcc aactt 455

<210> 6210
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c06b1

<400> 6210

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ctggaagact ggagctgatg cttcaaaata agatgatggt tgtcttttgg agatgtttct 120

atgtttaatg ctttaaagtc ttttggctgt actggactat ttaaactttg aactatgctg 180

tgatggttga actgatgctg gacgggtaag ggtttatgtc agaggcaact tt 232

<210> 6211
<211> 519
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316103c07b1

<400> 6211

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ggacgtggtg ggcggangtt ntttnnttnt ntatattatt attaattttt ttttttttt 120

tatttttttt tttatttttt tatttttaat ttttatttat tatttttatt ttatattata 180

tattattatt ttttttatta atatttttt tatttttatt ttttatattt aattatnaaat 240

ttttttttta tttatttta tattatatat tttttttatt ttttttttta tcttttatat 300

tttttatttt tttatatata tttttatatt taataaattc tttttattta ttaatatttt 360

attatatttt atatatttta tttttaatat atttatttt tatataatta tttaattata 420

atttttaat aatatttttt tttaattata catttttaa tattttaata ttataatata 480

ttgctttatt atataatttt ttatttttt aaatttttc 519

<210> 6212
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c08b1

<400> 6212

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ttttgttttg gggctggaaa aagagaccag cggatggctt tgatacctgg tacttgtttg 120

catgatatgc tgttcagtgt tacccttgtt ggcataattc gtggaggtca accagtatta 180

ttctctgatt taaaaaaaaa aaaaaaaaaa aaaaaggaaa aaaaaaatga aaaaaaaata 240

attaaaaaaa aaaaaaataa aacgaaatag atgttatata gtgt 284

<210> 6213
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c10b1

<400> 6213

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tgggatgtac tatctcggct gggctgtgag agatgggata catacataca ttgagttttg 180

tggttgattt gttatgttag caataaaaga gcgatgcgtt cttgcgg 227

<210> 6214
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d03b1

<400> 6214

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tcgcgacgct ggtgaccctc cacccgcttc cgaccggcgg cgggttcatg gactcgcaca 180

tcctgcgcaa ggccgcgggg cggctgcccg cgctggccga catcgcggtg ctgcgcttca 240

acacccgggg aacggcctca ccgc 264

<210> 6215
<211> 559
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d06b1

<400> 6215

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cggagcccga accagaacca gagccagtaa aagaggaagc acctgctgct gaaccaacag 120

acttgctggg tctgaatgaa acacaccctg ctgtggccga gatagacgag aggaacgctc 180

tagcgctggc aattgttcca atagatgacg tgcccaaggc cgctcctgct tttgaaaatg 240

gagtcacagg ctgggaactg gcccttgtca ctgcacccag ttcaaatgaa actgctgtcg 300

cttcaggcaa aaaattggct ggtggactgg acttgctcac ccttgacagc ctatacgaag 360

acgcgaaccg acgagcgagc cagcccgcag gttacaaccc ctgggagacc accggtgccg 420

ccccggcccc gatgatgcaa caaccagcag caatgcagga cccgttctac ggctcgaacg 480

gtacgcagca ccccatgctg tgcagatggc agccatggcc agcagcagca ggctttcatg 540

cttcagcagc agatgatga 559

<210> 6216
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d09b1

<400> 6216

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gaaacgtcag gtagaacaga ctacccagac ccaacggact tgacatggca agagtacatt 120

catacgagtt caacaggggc acgacggcct caaaagtcca ttcacttcgt cgcagggtgg 180

ggtgatactt tggctggtta tttaggtgat aacggttctg ggctcggcgc atccatggtc 240

accagctggc cgtccaggct ctagcccatg gcgtacttct gtgtccagga gcgtgccgtg 300

gactcatact tggcccgatc agtcttgtac atgtgagcga tctcaggcac caggggatca 360

tcagggttgg ggtccgtcag caacgaacag attgacagga ggacctttga tatggtcaaa 420

gccgggctcc act 433

<210> 6217
<211> 567
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d10b1

<400> 6217

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cgcctcgtat cccgctcccg acagttatat tctgtccaag ctgctttggc caatggaggc 180

gtcactcaag tccgctcatt tgccaaggag gcagctcctg tcagcggaga tgacctattg 240

aagggcatct tttttgaggt gaagaaaaag tttgagaccg cacttggggt ccttaagaag 300

gagaagatca cgatagaccc agatgaccca acagcagttg ctaactatgc ccaagtcatg 360

aggactgtaa gagaaaaggc agatcttctt tccgatcctc agagaattaa acatactatt 420

gagactttca cgaagggcat ccctgatgca aggacgtact tggataccct tcagcagctc 480

aggaaaaaga gtggtctcat agatgatatt gggtattgag gatatgatgg atgagcctct 540

tgagaaaagt gagaaggata ttaagaa 567

<210> 6218
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d11b1

<400> 6218

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atgtccagga gcttcagcat ggacgactcc ttcgtctgct tacttcgatt cgagtagggg 120

cgcaccggaa gctcgccatc gcccgtcttc ttcgccacgg ccgccgacgt tcgtcgtcag 180

atgcgccgcc tcccgaacgc ccccgaccac ctgaccgcgt ccacgagctc cgtgatgatg 240

gatctcagga gccagacgac accactgatg actactgtta ccccgagggt gcctactact 300

acgtgacgac cgctgacgac ttggagtagt taggaggctc ccaggtagga ggccttgcct 360

tttcgatcga tgttgccttt gttctagcct tcttaaggca aaaacttgtc taacttatgt 420

ctggactcag atattattgc ttccgctgac tcttgtgtag tcgagcttat gtattcgagc 480

cctcgaggcc cctggcttgt atataaagct tg 512

<210> 6219
<211> 359
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103e03b1

<400> 6219

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taatgatacc actgttgccc ctacggagtg tttttctggt accatgacta ttgctggttg 120

tccctaatta ttcttgacct tcaatcaata agaacacgaa acatggngaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aacgggaaac aaaaataaaa aaagaaacaa gaaaaacaaa aaactaaaaa tgggggnggc 300

ccttttttaaa gaaccaaatt ttctggccgg ggcttggaat ctcaataatt tttttttttt 359

<210> 6220
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103e05b1

<400> 6220

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attcaaattt tgccgaacaa tgaattatgt ccatcgatat ataaatgttg tatgattaaa 120

tttgtattgc tgtt 134

<210> 6221
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103e07b1

<400> 6221

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cacgatgccg tcgcacaaga ccttccggat caagcagaag ctggccaaga agcagcgcca 120

gaaccgcccc atcccctact ggatccgcat gaggaccgac aacaccatca ggtacaacgc 180

caagcgcagg cactggcgcc gcaccaagct cggattctaa gcgggggatg acgacgatga 240

cacccgttgc cgccgacggg agaagggtct agggtaccta gggtttatga cgtctcgttg 300

tttttgcaag ctagcatgtg actccgggat gcctgtttta agatttcgct tgtgttgaaa 360

gatattatta tttactgctt gtagcctacc tgggatacca tcatattttg ctgattatgg 420

aactactttt atcctgctt 439

<210> 6222
<211> 518
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103e11b1

<400> 6222

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gccgtttgtc tcctcctcct ccccgcggcc tacgccgtca ccgatgtcga gtactgcaat 120

aagggcaaaa actacccggt gaaggtgagc ggcgtggaga tcgtacctga tccggtcgag 180

cgcggcgtgc cggccacctt caagatctcc gctacaactg ataaaaacat caccgagggg 240

aacctggtta ttgatgttaa atattggatt ttcaatgttt actctgaaac ggatgacatc 300

tgtacgaaga cccaatgccc ggcaacttct gatttcgaac tatctcactc gcaaacctta 360

ccatcaatca ctccaccagg ttcttacacc attcagatga agatgcttgg aaagcacgat 420

gaggaattga gctgcatctc cttcgggttc agcattggct tccttgcgcc ggntgcctcg 480

agttgaaggc atgcacgggt tgcatgcgca actacaca 518

<210> 6223
<211> 435
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103f01b1

<400> 6223

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tggtgtcact ggaaggccaa atgttgactg gtgtgagacc cacaaacagg acactatccg 120

caccaatgtt gtaggcacct tgaatcttgc tgatgtttgt cgtgagcagg ggttgcccat 180

gattaattat gctacaagtt gcatatttga gtataatgct gaacaccctg aagggtctgg 240

aattggtttt aaagaggagg acacgcccaa ctttgtaggt tcattctatt ccaaaaccaa 300

agccatggtg gaagagttat tgaaggacta tgataatgtc tgtactctta gagtcaggat 360

gcccatatca tcagacctga gcaatccttg ttacttcatc acaaaaatag cccgctatga 420

caaggtggng aacat 435

<210> 6224
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103f06b1

<400> 6224

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gttgcaggct acttataagg tctcttatag ggaaaccaaa ggccaatgaa ttgcccgtcg 120

tttaccaccg aaaccg 136

<210> 6225
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103f09b1

<400> 6225

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aggtcaaggg tcctgacctg agccaaatga tctcaagagc tgaggcgacg gacatcgaca 120

atgatgacaa cgaggatggc aacgatgaaa gagacgagcc aaaggacatc gcgctggtga 180

tgacacaagc ggccatctca agggccaagg ctgtgagggc tatcaagtat gccaatggag 240

acattgtcac tgccattatg gaggacacaa cttacgagta tggcgacagt tgtggaacta 300

gttgaaccat tactctttga gcgagttgca gcttgagttg gtacagagtt tgctttgcat 360

ctctgatacg gtcgcctgga catgatcctg cctgcggata agttggtaca gcgatattag 420

cacggacatg atagtggtgg caattttctg gcatgttctt cacctttgac tgaaatatta 480

<210> 6226
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103g03b1

<400> 6226

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cttggcgtgt cagttgccgg ttgaatacat tgaccatcat actttaatat catagcggac 180

catgctcgtt tgcataatca ttgaaaattg agtccgcatc cggcggtgga cggaatagcc 240

atgtgtgaac cagcctgtat cttttaggag tgagaaatat gcgcgttccc tatatttagg 300

cgggaagcac tcattcacat cttctggata cgctcactgc caatcttatt atatcgcgtt 360

aatacatgct gaacacctga ctttctggac gagtggggtt gctctttatg acaaa 415

<210> 6227
<211> 270
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103g04b1

<400> 6227

gtttggtttt acagcgcaaa gatccggttg gtccgcaagg agattggatg tatgattcta 60

ggaggttaaa ctgttgggaa ccttcatttt gtgagacacg atgaacagca taggcggata 120

ttgtcacggt ttaccctacc acctttgtcg gctctagtct tcgttgcata ctactgtact 180

acgcacgtgt caacatcctg taaatacttt ggtgttcaga ctacttgccc ctgttatatc 240

tgaataaatc cggagcctat aggtggtnna 270

<210> 6228
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103h03b1

<400> 6228

gttttacgtt tttatactgt gccttctttg ataaccttca taatttggtg cgagatatgg 60

gtatataaca tcatcttatc taaatgcggg tgatgtacaa caggacttca atctctgtat 120

ctattgagga acgacaatat gacttcatcg aaatgcatat ggcattataa cacttcgtat 180

atactgaaaa gattcgcagc taagccgtct atgggaagcc aaagtcgcct gt 232

<210> 6229
<211> 591
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103h04b1

<400> 6229

cctacccgtc cggttgttgt tggttgttgt tgttgttgtt gttgttgttg tagaggttgn 60

aattgtcgaa gaagatgaaa ttgttaatga aaatgaagaa aaataaaata aaaaataaaa 120

aataaaaaaa aattatttta ttattaaaaa ttcaattata aaaaaaataa attaatattc 180

cctcttatca ttaatttaaa aaaaaaaaaa aacatttatt taaaactaaa atgttaaaaa 240

aaaaaaaaaa tttaattata ctaattttaa aaaacataaa taagaaaatt taaatatata 300

aaaataaaaa attataaaaa ttcattaata taaaaaaaaa attgtaaaat ttaaaaaaaa 360

catataatta aaaaaataaa taaattttat ttaaaaaaaa aaacaatttt ataaataaat 420

gctaaaaaat aaaaaaataa tcataaaatt aaaatatata ttttaaaaaa attattaaat 480

aaattaaatt taaaataaac taataaaata aaaaaaaaaa catttaaaaa aaattttata 540

aaaataaaaa aaaattaatt aataaatata aaataaaatt atttaattaa t 591

<210> 6230
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103h09b1

<400> 6230

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caacaactag tccaaaagca ggtgtggtac aacagggttt cgaaccctgt tgctggagag 120

aaacaacagg aaagtctcca acgggaagcc aaaggtgtct gcaccgaacg gtgccaatgg 180

atagaaacag cacgatgccg tcaatgggaa gccaaaggcg cctgtggcga atggtgctat 240

cggcgatgct aaggttccgg ggataaagaa actccaccac tgctcattca gtcgctacct 300

accggacaac gttgcccaaa catgcagcgg tcgataagaa gcctgtggcg accgagatga 360

agactgttgt cgccaacgga gctgtcaaga ccggagtcgc tgtttgatcg cattacccga 420

tcctcccagc taggcatgaa caacaaacgg acggtgctgt tgaaccacgc tagacatgcg 480

ggtttaaggt actgaccata aagtggcgct gga 513

<210> 6231
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103h12b1

<400> 6231

gtcgccgccg ccgctcccag ctcgcgctcc ctggcccagc tgccgccgcc gccgcctcgt 60

cggagttctt cctacccctt tcgccaacat gggtaagaca cgtggtatgg gagctgggcg 120

caagctcaag acccaccgca ggaaccagag gtgggctgac aaggcataca agaagagcca 180

cttgggtaac gagtggaaga aacccttcgc cgggtcatct cacgccaagg gcattgtttt 240

ggagaagatc ggtattgagg ccaagcagcc taactctgcc atccgtaagt gtgctcgtgt 300

gcagcttgtg aagaacggaa agaagattgc tgccttcgtt cccaatgatg gttgcctgaa 360

cttcatcgag gagaatgacg aggtgctgat tgctggattc ggtcgtaagg ggcatgccgt 420

gggagatatt cc 432

<210> 6232
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a02b1

<400> 6232

gttcctatcg tcttttgcct ttggttgttc gtgcgttggt ggtgatctac gagtggcgtt 60

gttgttgatt cgcgagctgc tctgccgcag ctttacctaa agatattgac gatgtatttt 120

ggggtgaatc atgctaatac tatgtggctt atttaaaaaa aaaaacaaaa aatcctcccc 180

aaaaaaaata tcaaacaacc ataaactcta aaaaacttct actaataaaa aaacgaa 237

<210> 6233
<211> 447
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104a03b1

<400> 6233

cccacgcgtt cgcccacgcg tccgaccgcc gcccaccact gacgtagcac gctagtacgt 60

agctcgtctg tgcactgcac tcatggcagc ttcgctggga cttaccggcc atgagaccag 120

ctacccggcc cacccggcgg cctcctcctt gtacaacttc caagccggtg atcccttcgc 180

ggcagcggcg ggcggtgccg cggagctgag cttcccggag ctcgtggacg ccgctcggcc 240

ctccgactac tcgctgcttc cggcgttcgg cgccgctgga ggcgaggcga tgaacatgta 300

cgagcggagn tgtcgtcttc cctatgacga cctcctacta ctgcgacggc gcggggatgt 360

tcgacggcga cgcttcggcg agggcgagag gagaggggaa tccggtgcta tggcgggcg 420

gccgacgggg aggatcgggt ttcggac 447

<210> 6234
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a04b1

<400> 6234

cttacgcgtt cgggctttct aagcaggaag caccagggag gaggggttag atagttggca 60

tttgcaagcg gtaaccaaat gcgcattcca ttgagtttgt atggtggctg ctctttgcac 120

aagctgtgtg cttatgaggt gttggtactt gtcgaggaca gcaggggggt agcgtactcg 180

tggtgttgca ctatgttttg tttatttgtt ttatttttga gtgtttgatc tgtttgagcc 240

tttgtgatcc gagaaaataa aaataatatg agtttacctt tgttaattaa tttaaaaaaa 300

actgaccgaa attttttttc tctatgaa 328

<210> 6235
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a09b1

<400> 6235

cccacgcgtc cgcccacgcg tccgcccacg cgtgcgccca cgcgtccgtc tagatcgcga 60

<210> 6236
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a11b1

<400> 6236

tttccgctta cgcgtccgag aagaagaaga tcatgaagaa gaagagcaat atggatgtca 60

tgtgtttgcc tggacttgga ttagatgggt cggtcgatgg ggtgttgcat ctgttttgct 120

atgacgcctc gtgtcttgag atgggcgcgc ttgatgatga actgccaagt gttatgtagt 180

tgcttgacgg ctgaattgtt attccctgtc tgggacgaaa cggagattag gttgccctca 240

tttggccatt gagctcatgt cattgtgttg tttt 274

<210> 6237
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104b06b1

<400> 6237

ggtttcctct tccgttgccc aacagtggaa cccggttcca attcattctc ttggcaaatc 60

gtccagttca tcccaaatta ccagctctca tccgcttctc ttcctccaaa tcgtcggcgt 120

ttcttgatcg acgagggcat ggcgacgacg gtggactggc gcagctatag gcccgatctt 180

ccggcggcga tgtaccacat ggtggacggc agagaccagg taatgcacgc gttcgctccg 240

ccgacggcgc agggcgcggc gccgaccatc ttcttctcct tcccctgccc cggtgcggag 300

cagagcgccg gcctgcttcg tggcgccagc tacctcactc ccgcgcaaat gctccagctc 360

cagtcgcagc ttcccacgtg cgccgggcgc ccggcgcggc catggcagtg gcggggcagc 420

ccatgaag 428

<210> 6238
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104b09b1

<400> 6238

gtgtttccag caaacgaaat attgtcgaaa attgaagcag cagcaggacc catgggcttc 60

aacgtacaga agcgcaacta caagctgaag ttgcaaggag agaatcctgg aaggaaaggt 120

cagctggcaa ttgcaacaga ggtttttgaa gtgacaccct cactctacat ggtggagctc 180

cgcaaatcga atggcgacac cctcgaattc cacaagtttt accatagtat ctcgaatggc 240

ctgaaggacg tcatgtggaa gccagagggt agcatagccg aaggcgatga gacccgccac 300

cggaggtctc catgatcata tctaaatgtt aggagatagt agaagataaa actagtcagg 360

aatttcagga aaggcatggg gatgtttttt caagttctag ccg 403

<210> 6239
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104c03b1

<400> 6239

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atccaagctg gggtgcgagc ccggggaggc gctggccgtc aacctggcct tcgcgctctc 120

gcacgtgcct gacgagagcg tctcgccggc gaacccccgc gacgagcttc tccgccgcgt 180

gcgcgccctc ggcccgcagg tggtggcact cgtggagcag gagctgaact ccaacaccgc 240

cccgctggcc acgcgcttct cggacgcgta cttgcactac ggagccattc tcgatgcact 300

ggactcgacg gtcagccggg atagcgcgga cagggcgcgg gcagaggagg cggtggcaaa 360

catgtcggcc cccgcggttg gccgggaggg cgccgaccgg ctggagc 407

<210> 6240
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104c06b1

<400> 6240

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ctgcatgatg acacagaaga gcaagggtgc ggacatgtgc cgtactaatg agactgcgcg 120

gacgtcgacc gtctgcaggg gagcccataa gcagctagcc accaaggtgg ccaggtaagc 180

tgcttcgcga ccgctggagc gaagaagccc cactgactac aggccaagga ccgagtggct 240

ctgggagagc cgcaagtacc agaagagcac ggagctgctg atcctaaagt tgccttcgcg 300

cgctctggtc cgagagatcg tgcaggactt caagacggac ctcaagtttc agagcttttg 360

ccgtgctggc 370

<210> 6241
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d01b1

<400> 6241

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cttgagcagc gagaagctgg atcaaccatg gcggttgtcg ctgaacagac aaaagcaatt 120

gctgacaaga tcaaggactg gaccaacgtg gtcgtcgcct atgaaccagt gtgggccatt 180

ggcaccggta aagttgcatc accggctcag gcacaggaag tccatgccaa tctgacggac 240

tggctcaaga ccaatgtgag ccccgaggtt gctgaatcca cgcggatcat ctatgcagga 300

tctgtaactg gcgcaagctg caaggagttg gccgcgcagc ccgacgtcga tggtttcctc 360

gttggtggag cttccttgaa gcctgagttc atcgacatca tcaacgccgc caccgtgaag 420

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aagagactcc tttttt 496

<210> 6242
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d02b1

<400> 6242

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ccccgatggc tgaggagctg gtgctcgaca cggcgatccg ggactgggtc ctcatcccgc 180

tctccgtggt catggagctc atcggcgtgc tccgctactt cgtctccaag ctcatgcgct 240

ccccgccgtc ggcctccccc ttccccgacc ccaagaccgt taaggagggg caggttgtca 300

tcagggcgag gaaacctgag gaacggcgcg cagtttaatc cgccaaggcc tttaaggtcc 360

gcatgcttta ttacaccaac ggggaagccg gattgcttca tgttcctaaa gaggatgccc 420

agaggtctca gcggttattc ttt 443

<210> 6243
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d03b1

<400> 6243

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tctccttgga agcacgagta cagtactata aagccgaaat ggctcatgct actgtccgtg 120

cgcacccgcc atacactcat ttgtctgcct tgccgcccac aaaagtgtgg ggggtttgcc 180

gcatcagtgt acattcattt ctcctcctgc tgcaaatagg atgtgttgcg gcgtattgat 240

tgatcgattg atgatggcag tgcacaactc gtatgatgca taatctagct cccattattt 300

gtcctaacag cttgaaattt tatttcatca tgtaaa 336

<210> 6244
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d09b1

<400> 6244

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gtgttaccac cgctctgtac aagttaaatt ttttgggttt cagctgttcg cccgagactt 120

gctcacgagc aggagtgtgc cagctcctgc tgagggatcc ttgtttttgt tcgtttttac 180

tccaatttac ccgtaataag caactgcagt gacattggtt tagtctgcac aacagcaaca 240

ctactcttgg cttggaaaac acttgtgccc tttgtaatgc agatccgaca gatcatgaat 300

tggtttagtt tattgttgtt ggcgaaccaa aaataactta tctatttatt tattttataa 360

tattg 365

<210> 6245
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e01b1

<400> 6245

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cgggttccgg gtcaggttct gggtaggtcc gggtccgcca gtagctaccc ataagcaggg 120

ttcccgtcaa ccggagagaa catgggcgct tcagagccat ggcggagacg gaataacg 178

<210> 6246
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e02b1

<400> 6246

cattctacga gttgatcaac ttcgacaagg aggcggacgt gcactgcttc cccggcgggc 60

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gcaacctcac catggtcgac tacaaccggt tcctccgccg cgccttcggc ctgcccgggg 180

acgcccccgc ggtgctcggc gacaagacgg ccgtcaggcc caagatgctc atgatcgagc 240

gcaagggcac gcgcaagctg ctcaacctgc gcgccgtcca ggccctctgc gaggagctgg 300

ggttcgaggt caccgcggcc gaggccggcg ccgacgtgcg cgcctatgtc gtgacggt 358

<210> 6247
<211> 67
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104e05b1

<400> 6247

cttacgcgtt cgcccacgcg tncgcccacg cgtccgccca cgcgtccgga ctagttctag 60

atcgcga 67

<210> 6248
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e08b1

<400> 6248

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tcctcaacat ctccgtcggg gagagcggcg atcgcctcac tcgcgctgcc aaggtcttgg 180

agcagctgag cgggcagtcg ccagttttct ccaaggcgag gtacactgtc aggtctttg 240

gcattcgtcg taatgagaag attgcctgct atgtgacgat caggggtgag aaggcaatgc 300

agcttctcga gagtgggctg aaggtgaagg agtacgagct tctgaggagg aacttcagtg 360

acactggttg ctttgggttt ggtattcagg agcacattga tttttggatg atttttaccc 420

atcaaccgtg atttactgca tggacttttt tgt 453

<210> 6249
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e09b1

<400> 6249

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tccaccaata agctcgtctg gtcccctgtt ctggaggctc tccgctactt ctctagctcg 180

tggcgtcgcc gtggtggtga agaccaagag ctgaagagat ggagaaccag atcgggtcag 240

tgctcttatc cggtggctgt ttgggcgtgg cctt 274

<210> 6250
<211> 461
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104f03b1

<400> 6250

tccggaattg acccggacgg acccggtgtc tccgttcctc tcccccgccg gcacccctc 60

cccgcatcgt ctcccacgcc aagaccgccg ccgttcgtca agatggtgct gcagaacgac 120

atcgacctcc tcaacccgcc ggcggagctc gagaagctca agcacaagaa gaagcgcctc 180

gtgcagtccc ccaactcctt cttcatggat gtcaagtgcc agggctgctt caacataacg 240

actgtgttca gccactctca gnaccgtggt ggtgtgccct ggctgccaga cggtgctctg 300

ccaacccacc ggaggaaagg cgaggctcac cgagggatgc tccttccgcc ggaagggcga 360

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actagttatc cccgatgtgt actggtcaat tttttgaaaa t 461

<210> 6251
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f04b1

<400> 6251

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atgtgcgcat ccagcagcgc aacggcagga aagagtctga ccactgtcca gggcctgaag 120

aaggagttca gctacaacaa gatcctcaag gatctcaaga aggaattctg ctgcaatggc 180

acagtagtcc aggatccgga gctaggccag gtcattcagc ttcagggtga tcagcgtaag 240

aatgttgcta ctttcctagt ccaggctggg attgcgaaag aaggagcctc atcaagatcc 300

acggctttta agccgaagcc gcctccgata aatgctcgaa ccgccagccg gctcttctct 360

atattgaagg cataaggcat atatatattg ccgcc 395

<210> 6252
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f06b1

<400> 6252

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agaccgcgct gctgttcgcg gcggcgtccg cgcaggagat ggacgcgagc atgccaccgg 180

ccccggcccc ggtcacgggc 200

<210> 6253

<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f08b1

<400> 6253

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cttgctgtct tcaacagcca aggatgcgac cgacgacttc gaggacgtgg ggcacagcac 180

gaccgcccgg gcgatgatgg acgagtacta cgtgggcgag atcgacgcga ccacgatacc 240

caccaaggtc aagtacacgc cgcccaagca gccgcactac aaccaggaca agaccccgga 300

gttcgtcatc aagatcctcc agttcttggt ccccctcgcg atactgggcc tggccgtcgc 360

cgtacggatc tacaccaagg cggagtctgt ctagcaccgg cgtcttatac cagtcagtca 420

gtcagtcatt cggaagtgtc caagagctga ataagtttta 460

<210> 6254
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f11b1

<400> 6254

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cctcagtgca atccatcgta gctagacacc ggatcgaaga caccaatatc gcaatggctg 180

cgcgccgcta ccgacgacgc cgatgccggc ttgacgggta ccgcagcgtt gccgctcgac 240

ggacgcgtgg ccatcgtgac cggtgcgtca cgcggcatcg ggcgcgccat cgcggcccac 300

ctctcctccc tgggcgcgag cgtcctcctg ggctacgcgt ccagcgcggc cgaggccgac 360

gcgctcgccg cggagcttcc gcgggccgtg gccgtgaggg ccgacgtgtc cgacgaggcc 420

agcgtacggt ccctcttcga tgccgccgag tcagcctttg gctgtgc 467

<210> 6255
<211> 412
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104g02b1

<400> 6255

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tcatcgctga cgctattatt gagatatcta acctgatgcc tcacatagct cagaacaccc 120

agtcggaacc tgcaggagcc atcttcacct taatctgaaa atagaaggtt ttccttttgc 180

tagacctctg aaaaatctgc agtggagtaa ccgctcacat tacctattgc tctggttttt 240

taaggaggct tagcaggcct gacttaagat cgaaccctga cggtgtttag gcatggtccg 300

gctggagagc ttatttccag cgttggaggt ctttttaagc ttatctaaag acttgttcaa 360

gttaaaccac gagaatgcca tgggctagca tggctaccgc ggagaagggc at 412

<210> 6256
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104g05b1

<400> 6256

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atcggagcaa ggaaagacca ggagagatgg caatgaggcc gcttgtcgtc ctggccctgg 120

ccgtggcgct cgccggcgtg gcactgggag ggggcgcggc ggaggggccc ggcgagtgcg 180

ggaggtcctc ccccgaccgg atggccctgc gcatggcccc gtgcatctcg gcggcggacg 240

agccggactc ggcgccgtcg agcagctgct gtccggcggt gcacaccatc ggcaagagcc 300

ccagctgcct gtgcgccgtc atgctgtccg gcaccgccaa gatggcccgg gatcaagccc 360

gaggtcggca tcaccatccc caagcgctgc aacatggccg accgccccgt cggctacaag 420

tgcggagatt acacgcttgc ttgatggccc ggcaatgctg ccgatgaaga tgaatgctgt 480

tgaaggcgtc gtcgtgtggg aaataggagt ggt 513

<210> 6257
<211> 407
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104g07b1

<400> 6257

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tcaccgcgtc attctctcag cagcccggcg acgacccgga cctccggacc ctcctcaaga 120

tcaaggagca gttcggcgac caggccgcac tggtgtcttt gctgcccggc accgaccagt 180

gcaactggcc gtacgcctac tgcaaccagc accgccgcgt cgtcgccatc ttcctccaga 240

acgtcaacat cacctccacg atcccaccgg ccatcggcga cctcgaccag ctccacgacca 300

tcagcatcca cagcatcccg ggcctccatg gccccatccc ggacacattc ggcaagctct 360

cgcacctctc catcttcaac atcatgcgca cctncgtctt gggctcc 407

<210> 6258
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h04b1

<400> 6258

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gctgataaaa cccgattact ccttttaaga attagtgccc caatttttgg tttaaaaaaa 120

taaatttata ttttataaat gagagaaaaa aaaaaaaaaa taataaaggg gggggccctt 180

tttgggggtc aaatttttct tccccgggat tggaaaatta aagtttttttt ttgggggccc 240

caaaaaaaaa ttaatggggg ggggtttaaa aaaggggggg gggggaaaac ccgggggttc 300

cccaatttaa ttttttttgga aaaaatcccc tttttgccgg gggggggaaaa aaaaaagggg 360

ccccaccaaa tggccttttt aaaaatttgg caaccttaat tgggaattgg gcctcccctt 420

ttttggggta tttaaagggg gggggggggg ggggttttcc gacatggggc cctttctttt 480

ttaacgggcc tattgccgcg ttttttttgt ttttttc 517

<210> 6259
<211> 55
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316104h05b1

<400> 6259

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<210> 6260
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h06b1

<400> 6260

atttgttgtt taggccaaga ggagggccga aattgcaagg gtgaggtagc ttcatacgct 60

caaagggcac gtggagtccg tcgtcaagct gaagggtctc gacatcgaga cgatccagca 120

gtcctacacg gtctgatgct ctgagctgcc catgagcgaa gagtggatcc tcttctttgc 180

tatgaacttc actactgtaa tcgaccgtgc gcgtggtact gagacataac tactctagtt 240

aaacgttgcc cgctggtgac atagtttcgc accacctaag taaccgcgtc gccgtttttt 300

tttgtttgat tttttttac gttttcagat agtatgtata ttatgttttt tttccaaaac 360

acatactcct tttttcagct gggttaattg ctaaaaggcc cgtactcgat c 411

<210> 6261
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h07b1

<400> 6261

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gaagtgcctg tccaagattc ccaagggccc gtccaaggat aagaagcagc attagaacgg 120

tagagagtac cctgcgcaga tttatcttca aagttgatca ctactcgtcg gttttcaagg 180

atggttgtga ttccatgtcc gtagttgata gtagatacca ctatcttgtc aaaaacctct 240

ggcacggtca gtagtcgtga cgtgcaactt ctacgaactt aaaaagtcat gccagctttt 300

gctgaatatc ctctttccaa tgctatggtt aacgtagcat cctcacttgc aagttgtgtt 360

ggtgtaatat ggcattgatg tttgtgacct tagtagactt gc 402

<210> 6262
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h11b1

<400> 6262

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gcatacgcat gcatgaaaag aaattattgt tccctagttg ccatggatga tgcgtcatgg 120

tgcttggtgt ggatgatata tggcgtgtat atcacaggat ttacctgctg tattaaaatt 180

gggtgcatac accattctga tattatttta taattggaat aacagctagg gtatgatgct 240

tccgcacagt tgatcaaact gaatggcgaa tggt 274

<210> 6263
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a03b1

<400> 6263

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cgaggtgtgt gccccccgat gtgtgcctgt acgagtgtgt gttcttgtga tgtctcctcg 180

cgttgaatgt tcaggcttgt gcttgcgatc ctgtctcatc ttttactgaa atgagcgttc 240

ctatgctctg gtttaataat aaattgtgcc tagctctaaa agcaa 285

<210> 6264
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a04b1

<400> 6264

ctaaaactat agaaatatat aaatcaaaaa ataatataaa acccttttgga ataggaacaa 60

aaaaaaaaaa aaaaacataa aaaaaaaaat tctacatcct actatgggct cgcgatctgt 120

gtcggccgag ggtgaattca tgagatcggc ctcggctcaa gtgttctatc gtgcgatcgg 180

ggttaccata caattctctc ctagtaacct gtcggaattg gaaaaacctt gggggggcccc 240

attttatctg gttagcagga aaatcccccc tttggtcccg ccgctttatt ttcttaaggg 300

ctcttccccc tttccctttc caataagtt 329

<210> 6265
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a06b1

<400> 6265

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agctgctgta tttggcgtca gattctcact tctgctcatc acataatgtc cttgagtctc 120

gtagtgaagc tatggtcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaacaaaa 180

aaaaaaaaaa gcaaataaaa aaaaaagaca aaaatacaaa aacaaaaaaa agaacctatc 240

cttgggggggg gccctttta gggaccccat tttttccccc cgggggtggg aaggattttg 300

ttttttttg gggaccccaa attt 324

<210> 6266
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a07b1

<400> 6266

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gtgcacacat aagaaaggct taagctatgt gcttcggcat tttgcctcct gttaagaatg 120

aatatcattc tagtccggaa ataaagagca tgttaatctg tcctgcatat gtgtactcgc 180

tggaatttgg acgatcaact ttgtatgaat aaaacatcgc atgaataaaa aatacaaa 238

<210> 6267
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a09b1

<400> 6267

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gctcgtgctc cagtgcgtcg aggagccgca cgccgccgtc ttcacccagg agctggagaa 120

gctcgcctaa gagggcttgc gttcgtcatg gttacctcca tactttacag aattattaca 180

ggtgggattt ggagttgctg ttgttgttgt attcttcatc ttgttgtgtg ttgtagttgt 240

tgtattccac accaggtttt gcttccaaca aacaaataaa tcactgaggg gttcttcttt 300

<210> 6268
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a10b1

<400> 6268

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ctgagtggtg gctggaactt agattccggt ttgctcatcc gccctatctc tatgaatgaa 120

ttggtttggg tt 132

<210> 6269
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a12b1

<400> 6269

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cgtttgttgt tgaatcgaac aaaaaagccg ctgtgattcg gaattggaat tggttggtgg 120

aatgctatgg tcaaaaaaaa aaaataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaataaa aaaaaaaaaa aaataaaata aataaaaaaa aaaaaacaat aaatatcggg 240

gggggcgttt 250

<210> 6270
<211> 348
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b01b1

<400> 6270

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ttatgaccag tatgttcaaa ctcgctctga gcttgaagag aatcaaatga agcagtacaa 120

atggcaacag gaacagatag ctaatatgaa ggagtacatt gcccgatttg gtcatcgatc 180

tgcgaagctt gctcgtcagg ctcagagcaa agagaagact cttgcaaaga tggagcgtgg 240

tggtcttgct gtgaaggttg tcaaatgaca ggattcttgt tttccgcttt acagatggtg 300

gctaacttcc accaccagtg ctgcagtttg ctgatgtgac atttggtt 348

<210> 6271
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b06b1

<400> 6271

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caagtgccac cactgcaagt ccaccctctc ctttagcagc tactcctcct ttgaaggagt 120

gccctactgc aagccccatt tcgcgcagct gttcaaggag accgggagct acaacaagag 180

cttccagtca caatcccccg cgaaatctgc gacggagaag ttgactcctg agctgaccag 240

atcgccaagc aaagctgcgg gcatgttttc gggaacgcag gacaagtgcg ccacttgtgg 300

taaaacagca taccctcttg agaaggtgac agttgaagag aagtcctacc acaagtcctg 360

cttcaaatgc tctcatggag gctgtgctct attcgcggcc aactacgcgg ccttggaagg 420

cattctttac tgcaagcacc at 442

<210> 6272
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b07b1

<400> 6272

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atacagattg atcaatcaac tgtagccatc aaggagactt ttgggaagtt tgatgcgatc 120

ctgcaacctg gatgccactg cttgccatgg tgcctagggc agcagattgc tgggtatctt 180

tctctgcgtg tgcagcagct tgacgtccga tgcgaaacca agaccaagga caatgtcttt 240

gtcaacgttg tggcatctgt gcagtaccgt gctcttgctg acaaggcatc tgatgccttt 300

tacaggctta gcaacaccag ggagcaaatc cagtcctatg tctttgacgt gatcagggct 360

agcgtttcaa agatgaactt ggatgatgta tttgagcaga agaatgaaat agcacgggct 420

gtggaggatg aacttgaaaa ggcattgttt gcctacgggt acgagaatgt gcaaactctg 480

attggtgata ttgagccaga tgatcatgtg agaga 515

<210> 6273
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b11b1

<400> 6273

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tgaccctgcc gcccatgccg gccatcgtcg tgcccaaggc ggtgctgccg ccgatgccca 120

aggtcaccct ccccacagtg acgatggcac cgatgcctgg gattgtcgtg cccaaggtga 180

tgctgccgcc gttgcccttc gtcccgaatg tgaacgtgcc tatgccgatg gcggcgccac 240

ccccgtcgac gtaggcgcgc ccatgtgaga gtggcgccag gtcactccgt ggtcacgacg 300

catatatatg ttctttacat gcaaagctct gcgttttaag cgtgatgtat tagtagatcc 360

tacttttgtt tacgtctcag tgtatctatt tttagtctgg tgctgctagt gtttgactgt 420

aggggttggc ccagtgtcta tatgtatttt tgcgggaaa 459

<210> 6274
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316105b12b1

<400> 6274

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gccaccacag ctagataaga aaaaaagaga gagcagaact cgttgggagt gctcgagatc 120

tgtgtcggga gaggggaat tcttgagatc ggaatcggaa caagcgggcg cgctcgggat 180

cggggttacc atacaatttt tcccaggaac ctttagtgaa tgtgctaatg gagtcaaagg 240

gtggcaaaaa gtctagcagt agtagttccc tgatgtacga agctcccctc ggctacagca 300

ttgaagacgt tcgacctgct ggaggcgcca agaagttctc tgctgcatac tcgaactgcg 360

cgaagaagcc atcctgatat ncgttttggc atccccttcc cgtagtttag gatttttatg 420

caattttatt ctgactcttt tctcccacca tctctttggc ctg 463

<210> 6275
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c03b1

<400> 6275

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atactctaga ttgtctttaa atgttaattc acagacttaa cgacagcgta taaaagttct 180

ctgtcagttt ttgctggatc aaaataaaac aaaaaaaaaa aaaacaaaaa aaaagaccat 240

ca 242

<210> 6276
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c07b1

<400> 6276

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ggaccagtgt gttatttgca gttagttctg ggtccgtctg taaaatgctg tgtacttcat 120

gttcagtgtt aatgcagcat cagggtcctt ctggacccgt cttttgttc 169

<210> 6277
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c09b1

<400> 6277

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gaagaagaag aagaagaaga agaagaagaa gaagaagaag agaaggagat cccgtcatgg 120

gcaaggggaa ggaacctgca aaggatgccc ctaacaagac caaggcaccg tcaatcagta 180

cccagttgac aaaaccaccg tcgttcaaga agaaccaggt gcagtccagg aataacccga 240

tgctgactta gaagaagaac aggaagctgc cgcctaagaa taaaaagtga gagtaagcct 300

ccaaaggggt gagaccacct gatctccgac atcgtccgac caggacgaag ttaagcggcg 360

tgtttgcgtc aag 373

<210> 6278
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c10b1

<400> 6278

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atcgtctgca agaaggccga catcgacatg aacaagaggg ctggagagct ttccgcggag 120

gagatggacc gcctgatggc ggtggtgcac aacccgcgcc agttcaaggt gccggactgg 180

ttcctcaaca ggaagaagga ttataaggac ggcaggttct cccaggtcgt ctccaacgcc 240

gtggacatga agctcaggga tgaccttgag aggctcaaga agatcaggaa ccatcgtggt 300

cttcgtcact actggggcgt gcgtgtccgt ggtcagcaca caaagactac cggcaggaga 360

ggaaagactg ttggtgtctc caagaagcga atagctgctt cacaaagatc ccgcatagct 420

ttgctactac tgtgctggtc catttccaca atcttaagga gtgctcttgg ttagacgatt 480

accttggatg at 492

<210> 6279
<211> 256

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c11b1

<400> 6279

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gacgagcttc tgtcggattc gttcccttac agggagctgg agaacggcgt gctctgggaa 180

gtcgatggcc attgggtcgt tcaaggagca gttgatgtgg acattggagc caatccctct 240

gctgagggtg gtggtg 256

<210> 6280
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d03b1

<400> 6280

ctttctcgtg ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaggaaaa aaaataaaaa aagaatccaa gataaaaatc 120

aaggggggggg ccctttttagg ggacccaagt ttacttcccc gggcttgcga ccttttactt 180

ttttttttggg ggcc 194

<210> 6281
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d09b1

<400> 6281

tccacgcgtc cgcccacgcg tccggaatat atccatccat atacagcagc aagcatacct 60

tcctcgcctt tctccttgag gttcatcgca gaaacaagaa actcgcagcc atggacagat 120

ctgctgtttc tcaggccctt ccggtgcacc aggaagacga ggacctgttc gagacctcct 180

cctccttctc ctgcgactcc gacgacgagg cccagttctc agacggcgag gaccagtttg 240

tgccggcttc cccgccggtg cggagactca actctgacag cgtctacgat ctgtcgtcca 300

tgaaggccga actcttcgcc aagaaagggt tgtcgaaata ctacgacgga aagtcccagt 360

cgttcgcgtg catgtccgag gtgagatgcc tggaggacct gcccaagaag agccccctaca 420

agaagatcaa gtcgtgcagg agcaacattg atct 454

<210> 6282
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d11b1

<400> 6282

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aaagcccccg ccggagagga gaagaagacg tcatggccgg aggtagtggg aaagtccatc 120

gaggaggcca aggagatcat ccttaaggac atgcctaacg ccgacatcga tgtccttcct 180

gctggctcgg cgatgaccct cgacttcagg accaaccgtg tccgcattat cgttgacact 240

gtcgcgacca ccccttccat tggttagcaa gctttgcgag cgagatacaa aatggatgca 300

cttatgcatt ctgatgaata agtagtttta ataatcatgg atgaataaat acacgcagat 360

caatggcgtg tgtcgatgta cttatggtgc aatggacttg ccta 404

<210> 6283
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d12b1

<400> 6283

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tctgcggctg ggaggagagc ggggtcaccg tcgccctcat cttcgagcac gcgtcgcgct 120

gccgggagag gcgattcgag atgctgcagc gccaggcgga ggagcggatt gccggtgagc 180

aagcaaagaa aggtcgccgc catgcgcata tcaagcttcg gaagaactag tgtgctggcg 240

cgtcaacgag gaggatcgac ccaacaccgg agtggaagag ttccagagga ccgactgcat 300

gagtagttta ggttttatat tagccctgtc ccgtaggact ttgttgaact cacgtagagt 360

tttagcaaaa ttggcttagg aagccatata ctagaacaaa aaatgcagat tttactgcac 420

atatgccact atactggaat cattgatgcc cataaaagat ggcattttct gtagatgttc 480

cttt 484

<210> 6284
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105e01b1

<400> 6284

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ggacgtcgct ggccttctgg acaaggccaa ggagctggac cagctgcgga aggagcagga 120

cgatgtggtc accgagatca ataagatcca caagaagatc attttctccc cagagatggt 180

ggataaatca gtcgatgcca tgatggctag gcttcgtggg ttttatgtac aagcaagaga 240

actctctgag agt 253

<210> 6285
<211> 80
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105e05b1

<400> 6285

tattctggca gacaaaaaaa aaactaataa aaagggataa aataaaaaaa aaaaaaaatg 60

aaatcaaact aaaacaaaaa 80

<210> 6286
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105e12b1

<400> 6286

tttttcgcgt tgccgttcct cccgcggccg tcagccgtcg tcttcgccgc cccggttttc 60

ctcccgtggc cgtcagacgc cgtcggagcc gccctacccc acgccccgcc ggagccgccc 120

ccttcgccgc gggagccgcg ggccgctgga gccgcccttc gccgccccgc cgctcagctt 180

gccggagccg cccgccgccc tacgccacgc cccgcgggag ccgccccctt cgccgtgga 240

gccgcgggcc gttggagccg accttcgccg tcccgccgct cagcttgccg gagccgtccg 300

ccgcaccccc ttggccacgg gagccgagtg ccgccgagcc gttcctccac gaccaccaca 360

accaaggtag ggagcgctgc tccaaccttc tctcctatga ctccaagtct gacgacgccc 420

gcgaccaggc gtgctccccc acatgggacg aggaacgtcg tatacaatat tgggtaacag 480

cttgtgtgac ggaattgccg agttt 505

<210> 6287
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f04b1

<400> 6287

gtgtgctgcc aacctccagc caagtcccca gatgcactct ggggtggcag ccattgccgg 60

cgcccccaac cccgcgatgc acgtgctggg atcatcgacg gggctctggc tagacggcgg 120

ccagcccctc gacgatcacc cgcggttcca ggtcttcgag cgcttggggg accatgacag 180

cgagctccag ctcccaaagc cttcctacga ccatgcctcg cacttcgacc ggatgcactg 240

atgatggctc cggtccactg ggtgcgtgat tttgtcacgc gatcgacgcc gtttcttcgg 300

cctgaaactc ggaatgctga atttactttg ctttgacgcc gctgcctgcc tagaggccta 360

aggttttggc aatgcctaga ataaaggcgc acaacaacag acttaggatc aaattgccca 420

gatgtgttgc catggaaaag attt 444

<210> 6288
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f09b1

<400> 6288

tatttaaaca aaaaaaaaaa aaaaaaaaaa aaaaaaaaat taaaaaaaaa acaataatga 60

agatggcata ctcttaaaga agttcgagtt ccatcagctg gcgcggtcat ggccctccgt 120

ggctctggct cctctgaggc ggagtccctg cctttctgtt gtattgcttg actacctgcg 180

atcgctgggc gttccacaga tccgtggcgt gggactgcct gggccttccg acagttttgg 240

tcctgccggt ggaggcccct ttccgcggcg cttgatgaca cgaggcctcc ccgagggact 300

gcccgtccct tccttcgctc ggcctgtt 328

<210> 6289
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f11b1

<400> 6289

catcagacca aacttatcca ttcgagaagg aattgaaatt atcgtttcag gaggaatgac 60

catgccacag gtaattgcat cgctagatcc catgccaagg aagagccaga gcatccgcct 120

gaatagaata atgacatgag aacgtgtgag tcatcaaaac aatgggtcgc gaatgggtgg 180

atgggactcc agtgctggtc tgtttgtgct gctcgttatt acatgtaaaa tgtccaggtt 240

ggatacggga acgtgatgac caatgctgga cggaagcatc gtatcgatgc cctggaatac 300

ctgaatgtga caccatgttg attctctctg tttgctgact ggatcaaagt gttaactttg 360

atgcaccggt ggggtacaac tagtgcgcct gattacattc atttggtaga gcgtgtcggg 420

tattaccttg tctgactttt 440

<210> 6290
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f12b1

<400> 6290

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cgagggcacg ccgctgcgcc cccgccagcg cctcgaggtc tacctcttcg cgctcttcaa 120

cgaggacatg aagcccggcc ccacctccga gcgcaactac ggcctctacc agcccgacgg 180

ccggatggtc tacaacgtcg gcctcgccca gcagcagacc acgtcggcgg cctccctctc 240

cctcgccgcc tcctccgcgc cccccgccat ggatgttgga aaggacttga cgagcctgtg 300

cctcatctca gctctggcca tcctgctcac ctcccaggct ttcttactgg gatagcaaaa 360

gcacccaaga gtgcggccat atgcaagcaa gcaaaatggc cttgactttt gtggaccaaa 420

agccttgcag accaaagggc agagatggtg caccatttga agggggcaaa ggaaagcata 480

tgc 483

<210> 6291
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g01b1

<400> 6291

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agccagcggc gacgcggcgg aggccggggc gcccccgctg ctgaacctct tcaactgaga 120

gactgagtgt aaactgtaat tgcgcagttc gtgtgtgggt taattagttg catcggggggt 180

agtccatgaa gctttttggg acgctgccac tcggtttacc aaccacagaa cctcgt 236

<210> 6292
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g03b1

<400> 6292

ccttctttta cggcggccct cagtgatcga agctggaaga agttcgcgac catagcgtta 60

tgtaactctt gagacttctt attatcacat acaaggagtg cctgtttgtt tgcgattcaa 120

ataaactcgc gatgcatgag cgcctttatg gatctacttt aggatcaaat cctatcgtta 180

tagacatcgt ttgttctcct ttttggtttc aa 212

<210> 6293
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g04b1

<400> 6293

actatattcc atcacgcaat tccgatcaat ctcttaagct taattagctt tccagagcta 60

caggcgatcg aactcaacct agctagcgag cacctgccat caaaaaccgg ccattagtga 120

accttcggtc atgaggtcgt cgccatggat ggtgttcgcg tcggcagcgg ttgttctgct 180

cgccttggcc gcctcgtcgg cggtggtgga cgcgtcgccg ccgtcgaagt ctttggaggt 240

cgggttctac aagcacacgt gcccgcaggc cgaggacatc gtgcgcgatg ccgtcccgcg 300

cgccttgggc cggaaccccg gcctggccgc cggactcatc cggatgcact tccacgactg 360

cttcgtcagg ggctgtgatg ccttggtgct gatcaactcg acgccgggga acacggcgga 420

gagggac 427

<210> 6294
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g06b1

<400> 6294

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ctccaccacg tcgccggcgg ccgtggtcag gtcctgctgc agcagggcgc gcaaggccgc 120

ggcgctggcc agcggctcca tgaacgggaa aaaaaaacga aacaataaga aagaaaaaca 180

aaaa 184

<210> 6295
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g12b1

<400> 6295

gttgttacat cggaatagag ctgtggcagg ttaagtcagg aactttgttt gacaacattc 60

tcatcactga cgatgctgcc ttggccaaga catttgctga agagacctgg gccaagcata 120

aggaggctga gaaggctgct tttgacgcgg ctgaaaagaa gaaggaagag gaggatgctt 180

ccaaggctgg tgaggacgat gatgacttgg atgatgagga tgccgatgat gaggacaagg 240

atgacaaggc tgggtctgat gtcgagtctg atgacgagaa gcacgatgag ctttagatgg 300

atggtgagga tgagaggagg ccgtctgcct ttgcgccggt gccatgattt attagttgtc 360

tcttattctg atgctcccct ttttgcgatc agaaacttga caaggtactg tgtgtagaag 420

aacaacatac tcgggggtct ttgttgcgct tttgtagttc aatttttccc gaagggaact 480

ttatagttgt taaacgggca aaagtaaaaa ataaaa 516

<210> 6296
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h01b1

<400> 6296

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gactcgttga tgagagggag gacggttctc gtgatagctc accggctctc caccgtgaag 180

accgccgaca ccgtcgccgt catcttcgag gggcagatcg tggagagcgg tacgcacgac 240

gagctcctcg gccgcgacgg catctacacg gccctggtga agaggcagct gcagttgccc 300

atgttagact atgtatagct tcctgaccta tgtaccgata tggacatatt tttacacaac 360

cattatatat tatgggtaag gccttcctaa ggggtggggc tgggtccc 408

<210> 6297
<211> 582
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h02b1

<400> 6297

ggcggttttg ttaaataaac gatagtcaat caccggttag aatatttaaa acacgggggg 60

ttccatacca accctgaaaa agagatcctc gaccttcttt catccgtctc cgtttcgggg 120

gcccgcgtct gggtcccccg ctttgctccc tctcttgccc tttgggggggg ccctttttgg 180

ggggcccggg tttctttccg gggcggggcg accccatgct ttctttgggg gggccccctct 240

tttctctttc cggggcgggc gtttcccccc gggggcgtgg ggaacccctg gggggtcccc 300

cacttttgtc gtttggggcg cccttccccc tttccgcgtg gggggatttg cgcaggggggg 360

ccccccccct tcccctttccc ccaggtgggc ccccctttgg gggggacggg gccccccctt 420

atgcggtttt attgcgcggg gggggggggg ggtccctcct gggggcctct ctttttgggg 480

ggctgtcccc ccgtttttgt ttttctcttt tttttgcggg gggggtttcc cggggttttt 540

tgggggtttt tgggggggtt ttgtttttgc ccccccccaa tt 582

<210> 6298
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h03b1

<400> 6298

aattattaaa aaaaacaaca aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaagaa 60

aa 62

<210> 6299
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h05b1

<400> 6299

cttcttaatt tttttaataa taaagcacgg attgggtctc cggattcacc gtc 53

<210> 6300
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h06b1

<400> 6300

ggagccccac agggcgccgg caacaacgac ccgcaccgac acaccacacg ccctactaac 60

gccaaagaga ccgagcccga gg 82

<210> 6301
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h08b1

<400> 6301

tttgccgccg ccgccgcgtc caagtgcgtc tggcagagcc gccgccccga ccgcgcccgc 60

aactccctcc ccggcctcgt cctcgccctc tagccgccca agccaagcca aagccaagct 120

ggacgacgcc caccacttgg gcttgggcgt acgcatgggc tgacgttgct tcttcaattc 180

ttcttcatcc cctgctctgc tctccctagc ctggtgattc ttgtttgc 228

<210> 6302
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h09b1

<400> 6302

tttatcgcgt gggagctagt gctgtttttg agcaaataag gcgcctcaac tcaagcaagga 60

aggcgtctta tgttggttca aagggtaata acaagaaatg aaagaggaat gatgatgatg 120

agaattttcc agcaaaaaaa aaataaaata aaaaaaaaaa aatacttaaa aaattaaaat 179

<210> 6303
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h12b1

<400> 6303

ttcttaggcc aaagagaccg agcccgaggc tgtccaaccg gcggcagccg ccgaggaggc 60

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agagaccaaa gtagtggagc gtgaggcagc accggctgag gtcgagacca aggaatcaga 180

gcaagaagct gctccagctg agactgagac caaagaggca gagccagccg ctgccgaggc 240

cgaggccaaa gagccggtgg cagaggagac accggccgag gaggaggcag ttgccccgga 300

ggccgttgtg gcagtgcagg aggaagcagc tactgccgag gcaccagtgg agcctgccgt 360

cgccgtcgag gcagcaccgg tagagacaga agcaccagct gctgct 406

<210> 6304
<211> 393

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a02b1

<400> 6304

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aaaaaaagcc caaaaaaaga agcagagaag acatccagca tactcacagg acggctggcg 120

ccaccagaga cacgaacgag gggggggccg cccaagagga cccaagggcc cggccggggg 180

ccccggacga caaacctctc ctaaggggggc acccaaatcc aagtcacggg cggccgttta 240

ccaccctcgg ggccggggaa accccggggg ttccccaccc aaagggcctg ggagaaaaac 300

ccccttttcgc cgggggggga aaaagcaaag ggggccgacc cggacggcct tcccaaccgt 360

ggcccacccg gaagggaaaa ggggccccccc cct 393

<210> 6305
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a03b1

<400> 6305

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agctggccgt ggccgccgac gtcaaggagg acgtccagct gctggccgag cgcgggcgcc 180

cgttcgacgg acggagcgcg ttcgctgggc tctggggcgc gccgagcgac tgcggcgctc 240

ccgtggtctg cttcgagggg ttctgcctca cgctggaggt ggaagcgtgc aagtggaacc 300

ggggcag 307

<210> 6306
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a05b1

<400> 6306

gttcagtctt atcacagccg ccgccgccgt cgaggaagaa gaagaagaag aagagaggaa 60

gctaccggac caagcccggc gggcgaagat gaagacgatc ctggcgtcgg agacgatgga 120

gatcccggag gaggtgacgg tgaaggtgcc agcgaagatg ctcttggtga cggttcctcg 180

gtggacgctg acgcttaact tcaatcactt taactct 217

<210> 6307
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a08b1

<400> 6307

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ccagagagaa cccgaggagg aggaccacga agaaagacga actgacctgc ccgccatgcc 180

cacgaagggc gaacaaactg aaccgcgaag ggacccagac ggggacgaaa gaagaaccgg 240

acgccccggg aagcacagca gaaagaggag cgggaagaca caaggc 286

<210> 6308
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a11b1

<400> 6308

ttgataatta ttgctgggga tcttgctcaa agtgaactgg tcaccaaatt atgaatatat 60

tgattggctt agcatacagg tcacccaaac aaaaaatagt tgaccacatg acacaacgaa 120

acccaacccc ccccccgag gcactcccta ag 152

<210> 6309
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b01b1

<400> 6309

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actgcaagcg gatgacattc agatcattgg gatgctgcct gctcttctgt gtctggttct 120

gttcgcacgt cacgtgatgg gaac 144

<210> 6310
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b03b1

<400> 6310

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atggcagacc ctgacgagat agagtacgga ca 92

<210> 6311
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b06b1

<400> 6311

gatatttttc ggactgctcc agaagtggcc cgcgtgatga aatcatgaac gaacttacct 60

ttcattgacc ccgagaaggt ctggctcgtg cag 93

<210> 6312
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b07b1

<400> 6312

tttgttacca ccaggcatgc tacaggcgag tagatagaca ttgatagaaa tcgggattga 60

catctaggtg acaccgcagg ggggcgagtc gtacaccatg gactactctg accctccccc 120

gtcatcgatc gtgtacgtag aggagcatac caaatggtcg attgaccgcg cggcgatcgc 180

cgagtgcgtg acaacggtac tgttgctcta catcagcgtg gccaccatga tcaactacat 240

gcacgagtac gacctcttcg taaagaccac 270

<210> 6313
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c02b1

<400> 6313

gctatttccg gcgatccggg gcgtgagtgc accatgagtc agtcagcacc gttgatgctg 60

acggctgacc ctg 73

<210> 6314
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c03b1

<400> 6314

gttactaccg gggagccggg gcgcgagcgc accatgagtc agtgagcacc actgacgctg 60

ccggctgacc ctagagagtt agagtacgaa caac 94

<210> 6315
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c04b1

<400> 6315

gtttctattg gcgagccggc gcgtgagcgc accatgggtt acttagaacc gcagacgccg 60

ttggctgacc ccgacggggt agcgtacgta caac 94

<210> 6316
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c05b1

<400> 6316

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atggcagacc ctga 74

<210> 6317
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c07b1

<400> 6317

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cggccagacc gggaacaacg gaggcgctac ccaacacaag acgcctagca gcacatgacc 180

cctgcacgcc agcgcggcgc aaccagcgca cgaggcgccg acaccagacc gccccccaac 240

caaacagaac gcgccagcca 260

<210> 6318
<211> 115
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316106c11b1

<400> 6318

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tggccgacct tgttgagctc ctatttcctc acctggcgtc cctatagctc cttag 115

<210> 6319
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d01b1

<400> 6319

tatactacag gagatccagc gcgcgagggc agggggagtt agatagaacc gttggtgttt 60

ggacctgaca caagcaggga agaggacaga caacc 95

<210> 6320
<211> 303
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d03b1

<400> 6320

gtacttccgg ggacaccggc gcgagagcgc acgatgagca gatagcaccg ctgacgctga 60

cagcagaccc agacgagttc gagtacggac aaccggggca acacggggcc caggagccaa 120

agactcactg tggaggagcc catgacgaaa gacgaactga cggcccgcct acgcacgctg 180

ggggaacaac agaaccatga agacagcctg actgggacga aagaagaact gaacacccaa 240

ggggaaaaac ctgcaaaagg agcccgaaaa aaccagcgca caaaaccaag gcaacgccgc 300

caa 303

<210> 6321
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d04b1

<400> 6321

acccggttat ttagcaccaa gcgcggcgag ggcccaccag gggccaagaa gaaccaacga 60

<210> 6322
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d07b1

<400> 6322

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acgccagcag acccagaaga gg 82

<210> 6323
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d08b1

<400> 6323

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gcttctactt cgggtggttc gaccagcacc cgacgtggca cctgacggcg ctatacgtgc 120

cgtagttcga cgtggcgccg tctccggagg actgggagcg cgagct 166

<210> 6324
<211> 83
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d09b1

<400> 6324

ttgctacaga ccaaagtttt tgccgctgga ccgttgttac atacatccta gcttggaggc 60

aacggtgtgg gtgggaatac atg 83

<210> 6325
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d10b1

<400> 6325

cttcgttacc cccaccgagc cgcggcgagg gaacacggac actcagagac cggcgcggcc 60

gcagccgcag gacacggagg aggccaagca ccaacaa 97

<210> 6326
<211> 58
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106e03b1

<400> 6326

gtttactacc gccgatacag cgcgcgagtg cacgatgggt cagtcagcac cgatgacg 58

<210> 6327
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106e05b1

<400> 6327

gttacttgcg gccatacggg gcgagagccc agggggggact agttagcacc gctgatgctg 60

atagctg 67

<210> 6328
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106e06b1

<400> 6328

cttactcgag accacgagcg gccggccaag aggagggaag acaacgaacg cgcgcaggcg 60

acgacacac 69

<210> 6329
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f01b1

<400> 6329

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acaacatatt ggcgaggctg tttttattcc agctggctgt ccttaccaag taaaaaatct 120

ccagtctacg gttcagttgg ctctggattt tttgtcgcct gagagtttgc gggagtcggc 180

tcgtatggcc caagagatac gctgcctgcc aaatcatcat gatgcaaaac tgaagatgct 240

tgagggtgga aaaatagctt tatatgcagc aagttccgct gtcaaagaaa ttcagaaaat 300

aacccttgat ccccaagtta atttggatat cagatctgtg gatcataacc ctaacccggg 360

cagttccaga gaactttggc tagagtcact aaaccaacga aaggggtctt tgtggttgac 420

attttcca 428

<210> 6330
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f02b1

<400> 6330

gtacttttgg gcggacgcgt gggacctatc gccggagcct ccaccgaagc caagagagga 60

gcagggccaa aggaggccgc cgga 84

<210> 6331
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f03b1

<400> 6331

gttacttttg gggacacggc gcgtgagcgc acgaaggtgc agacagtacc gcggatgccg 60

<210> 6332
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f04b1

<400> 6332

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agatatgaca gcttgacaag gaggtgagga ccatgctggt gatcatggtc aaaagctgcc 120

ttggcaccta tgacaccatg ggctacagca gcgatctgct tgggcttatg ttgcaggcgt 180

gcgcggaaca aggtgggcat aaatgcgatt ctgattgtgg acgaaagaat aacatgaggg 240

caagacctgc ttccctgcca gaggtgacag cagatagcac gtgctaacat ggaccatgtc 300

cttgttgaac acacaccctg agtggcaaca gaagctgagg ccggaggtgc tcagatagcg 360

tggcagtcag gtttccaccg gtgacat 387

<210> 6333
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f07b1

<400> 6333

tttattagag aagttccaaa ctcatttcag tgagtacatc aagaggggaa tctcagctga 60

tgacatggaa gcagtttaca agaaggttca tgctgccatc cgtgctgatc ccaccatggc 120

ccaatcaacc aaggcgcctc ccaagactca caagaggtac aacccctaga agctgaccta 180

tgagcagagg aaggccagcc tcgtcgaaag gctcaacgcc ctcaacaact ctgccggtgc 240

cgccgatgac taccaggacg actacgagtg aatagcgctt ttgtccaccc cagtgtattc 300

<210> 6334
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g02b1

<400> 6334

cctcccgcga gaaggtccac ttctccctct ccaagtgggc cgacgagaag cagcagaagc 60

ccactgtgcg cacagatgat gaatgaagat cgggtgccat ggtgattgat gttctgagaa 120

gttgttgagt cagggcttaa gaacttgaga ataaattctt gcggtgacaa tggatctatt 180

ccgatactat gttgttatat ttactaattg ctccttttct aaaaaagaaa ctccgagagg 240

aaaaat 246

<210> 6335
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g04b1

<400> 6335

ggtcattcca cagagcatca gccggagcac ttgtatgtcc actttgatct tcatccggct 60

ccggcgctct cgcacgcgcg aacgagcgag accaccacct cgaaaaccaa gaagagatgg 120

<210> 6336
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g06b1

<400> 6336

gatacttccg cccacgccgc ccaggagcca gcggagggtt atttggcacc gacctcgcac 60

ctcaccgacg gcgccgagcg ccatgcccaa acaaggggg aaggccaagc ccctaaagca 120

ggcaaaggcc gccgggatgg actcacgaca gaaagacccg ggaaaccccc agaagaagaa 180

gggggagcac aagggcctga aggagcatga aggcccaggc aggacagaag ggcgcgctgg 240

gaggatcggg tctcaagaag a 261

<210> 6337
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g07b1

<400> 6337

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tttaatgctg acaccgatga gatcatgtcc gcccaactgg agtactcacg gtccttcgac 120

gcccacggag catcctgtgg cggagcccat gactgagaga tgaactagat tgccccgcgt 180

accactagca gggcgaacaa actgaaccgt tgatgttagt ctcgaccggg accaaaagaa 240

t 241

<210> 6338
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g08b1

<400> 6338

tttattagct ggggatactc cctggagcac attgcccaca atttgcaatc gcagcgaggg 60

cctgggtgat gcattgttag ggaacatcat attcacgggc atgttactcc tgggagtacg 120

atatatgctc aaatttttctt gagacattac acggtagtcg agagattctg ctagccgtca 180

tcatttgaag ctatttcaag acatttatgc tgacaatgat ggttcgggag atcccatgat 240

ctgctatatg gattggctaa acaaggggcc tgtcatcaca aggtgtagcc cttgagagtg 300

gtgacgcggt tcccaaaggc ccact 325

<210> 6339
<211> 303
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h02b1

<400> 6339

tttcttacgc gtccggagat cctgaagctg cgcgaccgcc tcaacaagat ctacgccaag 60

cacacgggtc agaacatgga caagatcgag cagtgcatgg agcgtgacct tttcatggac 120

cccgaggagg cgcgcgaatg ggggcttata gacgaggtca tcgagaaccg ctcggcctgc 180

ctgatgcctg agggcctcag tgccgttgac ccgcctcacc acggaggggg cgccggcgcc 240

aacggcgcgg agctggacag ggattttgag gagccctccg cgtacttgga gtggccacga 300

agg 303

<210> 6340
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h03b1

<400> 6340

tctgtattac aggctgaggg tgctatccag gctctgaatt gcagcgggat gattttgggc 60

acactgccag tcagggtgag cccttcaaag accccggtga agccacgttt aaattgggtg 120

gtgtcaaact gactgcttgg gctacacact ggattgtcga ctggtaggct gcctgtccat 180

tagctatagt tttcgcgatc cattgaaacc att 213

<210> 6341
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h06b1

<400> 6341

cttttagttg aatcaggaga agtgaccgat ggagaaagac acggtggcga cggcgacggc 60

ggcggcggcg gcgagggtgt gccggcggtg caagtcgaag tactcgccgt cgggaaacac 120

gccgcagtcc tgcaggttcc acccttcctt cttcgtctgc cgccgccacg acgaccagaa 180

gaggtactac gagcttaagg acggcgaccc tccctacgcc gccaagttct acgactgctg 240

cggcgccgag gaccccgacg ccgccggctg cgccaccagc tttcacctct tctacgacga 300

ccctgagtaa cgaacctgga ctagtatgct tgcttgttcc tctgaagcaa acgcactgtt 360

ctgttacttt gtacagtcag tagaacaaac acccatctga attttgt 407

<210> 6342
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h12b1

<400> 6342

tctatcacgc gtccggcctc ctgcgcctcc acttccatcg ccttcccaag atcgcagatc 60

cgctccggtg agaatccgtc gccatgtctt ccagcgaggt cgcctgcacc cttgccgccc 120

tcatcctcca cgatgacggg atccccatca cttctgagaa gatcgcgacg gtggtgaagg 180

ctgccggaat caaggttgag gcctactggc ccgcgctctt cgccaagctc ctggagaaga 240

ggagcgtcga tgacctcatc ctttccgtcg gatctggtgg agggtggtgc tccagctgct 300

gctggtgctg ccccggctgc tggtggtgct gctgccgctg cagagaagca agaagagatt 360

caggtggcgg ccaaggaaga gagcgatgat gaccatgggc ttcaacttgg tttgactaag 420

cagtttaatt ttcagctttt ctggggaatc 450

<210> 6343
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109a05b1

<400> 6343

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ccgcaggact tcgtcaacct gcacaaccgc gcccgcgccg tggacggtgt cggcccggtg 120

gcgtgggaca acaacgtggc caggtttgcg caggactggg cggcgcagcg cgccggcgat 180

tgccggctcc agcactccgg cgggccgttc ggcgagaaca tcttctgggg ttccgggcag 240

tcgtggacgg ccgacgacgc ggtgaagctg tgggtggacg agaagcagaa ctaccatctt 300

gacagcaaca cctgcgacgc cggcaaggtg tgcgggcact acacgcaggt ggtgtggcgc 360

aagtcgaccc gcatcggctg cgcgcgcgtg gtctgcgccg ggaaccgggg cgttttcatc 420

acctgcaact acaacctcgc gggcaactgc aacggcgagc gcccgttcgc gttcctcacc 480

cttgacgccg aagccaagta gtacgtgcgt gtgagtgtga tcatacatgc atacgtacgt 540

gcatgtgttt atgttt 556

<210> 6344
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109a10b1

<400> 6344

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cccggtctac atggaaaggc gcagcgctct ccccttccac tgtgatatgg ttctgaggtt 120

gaggagactt ctccactacg ccgatcggca tctctctcag ccaacagaca agggagatgt 180

tagctagctt agagaggtga ttgctaattc acatgattga aactatagct gtttgtttta 240

cacaggtaaa aaacaagggg tagatgccgc ttaaacccaa gtgcctgtct ctgtgtatct 300

agattagggt aggcaggtga atggtgcgtt gatgagcccg gttctgctct gatagcaaga 360

gtgttcattt cttggcgtga ggatgtatgt aatagcaata cctctccctt gcatgatgtg 420

tcaatcgtgc aacattgtag aactgg 446

<210> 6345
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109a11b1

<400> 6345

atagaagaag atgatcaaga ttaaaatcaa gacctcatat atgataggat atggaagaat 60

acaccatcta ccttaggagg tctttcctga attctttaca atgcaagaat gtatctctct 120

tattaagtat ccatgtatgt catacgccag ataactttgt aatatttatc cgattatcaa 180

taaagcttga attatctt 198

<210> 6346

<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109b02b1

<400> 6346

ctggctggga ggcggccccc cgggggaaag gcattaacgc ctttgccggt tacccgaaaa 60

acgggtttac cacggggaac ccgggccggg ggtcaaccag gattaagtaa gacccgttga 120

ggctgttggt tgaccttgat aagtcggggt ccgaccaact ggggtaataa tggcccttgg 180

gggccatggt tcttttgggg gggagcccat gacaaaggag gacctgatgg cccgcctccg 240

ttggttgggg gaccaactga accgggatgt aagcctgccg gggacaaaag aaaaactggc 300

gttccggggg gcaaagctga aaaaggagct ggatgaccca aggcttaagt tgggaattgg 360

ccgcggttta acaccgtcgg gactggaaaa accctgggg 399

<210> 6347
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109b05b1

<400> 6347

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ccccctccct cgccgacgcc cgtgggcgcg gatggacaaa gcccaggcgc cgtcggggga 120

gagggtgcct cagcgggcga ctgctaggac agagcaagcg cagagccggc ccctcgtcgc 180

tgagcgaaca gctg 194

<210> 6348
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109b09b1

<400> 6348

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gccctctacc ccgacaccat caagcggctc ctgaacccga cgcaaacacc gcgggcagcc 120

gaaagccgag cgcacctgag ccctgatcgc ctcgatacaa ggacactagc ttgcgcatat 180

tagaaaattc aggaaagccc gcggatacca gcaggcccgg gccaacccaa acagaaaaat 240

cggccgccct agactccaag acaaggccgg gctcctaggc ccccaggagc aagcacggcc 300

ggggcgaacc caaccagcac cgagaaaacg gaaaaccccg ggg 343

<210> 6349
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316109b10b1

<400> 6349

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ccggcagaac tgcatcgcag gtcgccccga ccagcggccc ggcgagcagt gcatcgagtt 120

cctccaccgg ccgccggccc agtgtgccgc gcacgggcaa tcgtcgccac cgccgatgta 180

ctgatacgtg gcagacggca atactgcaat ttgtaactgt ttgctgcctt tgtgccgcga 240

gaaaggataa aaatgtacac atttggtata tactgtaatc tttatttttc ggaaacaaga 300

aataacaatg gattgataga tttgcgttna aaaaaaaaaa aaaacancnn caaaaaaaac 360

acacaactat aaacaacaaa aataataaaa aaacaacaag 400

<210> 6350
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c03b1

<400> 6350

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atcattccaa gcagcactgg tgccgcaaag gctgttggca aggtgctccc agagcttaac 180

ggaaagttga ctggaatggc cttccgtgtt cctactgttg atgtttctga tgttgatctg 240

actgttagac ttgcgaagcc agcaacctat gatcagatta aggctgctat caaggaggag 300

tctgagggaa acctcaaggg cattttgggc tacgtggatg aggaccttgt ttccacttgac 360

ttccaaggtg acaacaggtc cagcatcttt gatgccaagg cccgggattg ctctgaacga 420

caa 423

<210> 6351
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c06b1

<400> 6351

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gctatagtgg actgtaacag cagcagcaat cagcctttct ctagatggaa aatttggagg 120

gtgataactc tgtggaggag accatgacaa aagatgaaac tgattgccca cctccggggg 180

gtgcgttatc a 191

<210> 6352
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c09b1

<400> 6352

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tgcgcttcct tctcaatata catgagaaaa tgacggagga gttaagcatg gccttttcat 120

ggcgtctggc actacgctgt gagctcttct gcatgggatg aagcataaat gacaa 175

<210> 6353
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c10b1

<400> 6353

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gacgatgagg gccgccgccg cgctgcttgg cgccgtggtg ctgctgtgcg cgctccgtca 120

cggcggggcg cagcggtacg aggccatcta cagcttcggc gactccatct ccgacaccgg 180

caacctctgc gtcggcggct gcccgtcgtg gctcacaacc gggcagtcgc cctatgggga 240

gaccttcttc aagcgcccca ccggccgctg ctccgacggc cgcgtcatcg tcgacttcct 300

cgccgagcac tttgggctgc cgctgctgcc ggcgtccaag gccggcggcg acttcaagaa 360

gggcgccaac atggcgatca tcggcgccac caccatggac ttcggcttct tccagtccat 420

cggcctcagc gacaagatct ggaacaacgg gcccctggac acccagatcc agtggttccg 480

gaagctcctt ccgtccgcct gcggtaagga ctgcaagagg catct 525

<210> 6354
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c11b1

<400> 6354

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gacagggcat ctgacggcca agagcgacgt gtacggtttc ggcgtggtgc tgctggagct 180

gctcaccggg cgcaagtcgg tggacaagag ccggccgccg cgggagcaga acctggtgga 240

ctgggcgcgc ccctacctca acgactcccg gcgcctggac cgcgtcatgg accccaacct 300

cgcggggcag tatgccggcg gggtcgtgca gaaggtctcg gccctggcgt acttgaggaa 360

gagccccaac 370

<210> 6355
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d03b1

<400> 6355

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cgccggctcg ggggacttcg ccgtcgacct ggactccagc tgccgcatcg tgctgccggc 180

ggggagctac ctcgccaact tcaacgacca cctcaccggc cacctcgacg accgtcgcat 240

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ccgcgcccat ggagacgagc ttgt 324

<210> 6356
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d04b1

<400> 6356

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ggcctcgacg cggcgatcga gtcgctcctg aacacggaga agcagtgccg cctcgccgga 120

gatgtggccg gcacccggaa ggccgccgtc gacatcgtcg agctctgctt caaggacgcc 180

gcctggaaga cgctcaatga ccagatcgtc gtcctctcca agcggagggg ccagctcaag 240

caggctatta ctgctgtggt tcagaaagcg atggagtaca ttgacgtgac accagacgtg 300

gagacacgta ttgagcttat caaaacattg agcagcgtcg ctgctggaaa aatatatgtg 360

gagatagaga gagctagatt gatcaaaaga cttgcaaaaa tcaaagagga gcagggaaag 420

attgatgaag ctgctgaaat cat 443

<210> 6357
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d06b1

<400> 6357

tttaggcaac atcccttact ttgagacatc tgcgaaagaa gggacaaatg tagaagacgc 60

ttttcagtgc attgtaaagg atgctctgaa gaatgaacca gaagaagaat tgtacattcc 120

tgacactgtc gatgtggtgg gtggcaaccg cacccaaaga tcatcaggct gctgctaagc 180

catgccacgc catggccgta gcaaccattg aacatgctgt ctttcctgcc tgtataatat 240

catgttattc tgtattccat ttgtgacttg accaatcacc ccttcggtac gaaatcaagg 300

atcgatgatc tgtcctgttc tgtctgtcat cttgtatgtt gtgtagttag ttgagaattg 360

cggcgtgacg aatatttttg tccggacaaa aaaaaaaaga aaggg 405

<210> 6358
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d08b1

<400> 6358

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aaggatctca ttcactggct ccaatctcag ttctgggggа acaccaacta ctaaatattc 120

tcttttatct gggcatatga gaagttaata tgtaatgata tatactccca tcatggagta 180

gaataaatga catgcaatat gatgcatgca tggttgcgag ctgtgaattt tcatttcctt 240

tctgaatcgt gacaagatat gttttttgtc ggcacaaaaa ctaaaattaa aactaaccca 300

c 301

<210> 6359
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d09b1

<400> 6359

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ccccacccag gaaaccagcc atgaaggggg ccaaatccaa gggcgccgtc aaggccgaca 120

ccaagttggc ggtgaagagc aaggggggcgg agaagccggc cgccaagggg aagaaggca 180

aggccggcaa ggaccccaac aagcccaaga gggcgccctc cgccttcttc gtcttcatgg 240

gcgagttccg cgaggagttc aagcagaaga accccaagaa caagtccgtc gccgccgtcg 300

gcaaagcggc cggcgagagg tggaagagct tgagcgaatc ggagaaggcc ccctacgtgg 360

ccaaggccaa caagctcaag ggcgagtaca acaaggccat tgccgcctac aacaagggcg 420

agagtgctgc tgctgctgcc ccaaaaa 447

<210> 6360
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d11b1

<400> 6360

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gtcatattct atcacttgtt tgctaaggag ctggcacctc acaagcctct tgctaagttc 120

ttgtgcatca aagggatagt cttcttctct ttctggcagg gctgtgcgtt ggatgttttg 180

gctggtgtag gggttattca atctcaccat ttctggctgg acgtggagca catccaggag 240

gcaatccaga atgtgttgat tatcctggaa atggtcattt tctcagttct ccagcagtac 300

gcgtatcacg ttgctccgta cagtggcgct gacaaggcaa aattcgagaa gaagaatgaa 360

tgacccgcca agcaacataa gcagcttgct cttgtatggc tttgtgtgta tgcgctgggg 420

atatgtcata gacatgagga cttacttatg 450

<210> 6361
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d12b1

<400> 6361

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atgttcttcc agaactccca gtactgagcg acgagtgtca gaaatggcaa acgacaccac 120

tagacgtatc tttatgctgt catacgtaat ggtactagga taggcgtaca cacattcgtt 180

tatttgctgg ggggcccatg gatgcacagg gctgcacaga agggtgcccc ttccttaaca 240

cagcggagta aagaaaatat ttagggctgt agcatacaca caagataggt ggttgaagca 300

gttctgcttt gccattgttt cacacttgca cacagaagta tgttgttgaa ttcaaatttt 360

agtaatagca gatatttgtc 380

<210> 6362
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109e05b1

<400> 6362

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ccggcaaccc ggcgcgcgag cgcaccatga ttcagccagc accgccgacg ctgcccgcag 120

accctgaaga gagcgtgacc gaacaactag gcgaaacagg gccctaaggg gcccacggac 180

aaatgcggag gagaacacga cgaaagagga acggaatgca ccgccccgac cgctggggga 240

acaacaggac cgagacgcca gccggacggg gaccaaagaa gaactggagc tccgaggggc 300

agagccgaaa gaggagcccg acgaccaccc aggccaaaac gaggcacagg ccgccgctaa 360

acaacc 366

<210> 6363
<211> 460
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316109e06b1

<400> 6363

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cagcgtcctc cttggttaaa gctgctgtat ttggacgaga cccgaactgg gggcgtattg 120

cttgctctgt cggctattca gggattcatt ttgatgcaga tcaacttgat atttcccttg 180

gagctattcc actaatgaaa aatggccaac cactcccttt tgacagatct gctgctagca 240

agtatctcaa agatgctggt gacatccatg gtacagtgaa cattgatgta tcagttggga 300

atggaggagg cactggaaag gcgtggggct gtgacctaag ttataagtat gtcgaaataa 360

atgctgaata cacaacgtga aattcgtatt ctccatgaaa actgcatttc ttgatacaca 420

ntccgtgtct tcatttgtct gagtgctctt tcgatgcaac 460

<210> 6364
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109e07b1

<400> 6364

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tctgctctca aatatgtccg agaagccgcg gatgacgggc agaacgccat gctgaaaagc 120

ctcaagctcg tagggcaacc aagcatcttt ggcagatatt acaacatctc ctgaactcat 180

ctgtattttt tcatgtaaac ttctatgctg gagagtgatg gctacttgtt ggttaaaaaa 240

aaaaaataaa cataaaaaaa aaaacaaaaa acacaaaaaa caaaaacata caaaataaat 300

caaaatg 307

<210> 6365
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109e12b1

<400> 6365

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tggcaggcgt tctatctgtc ctggacaacc tgaatcttgg cctaaactct agtagcagca 120

gtagtgaatg ttgtggctgg ttgcagcctg tttatcattg ttatggaatg gacggaaagc 180

agggttgatg tggtggtcaa ataaaaaaaa attaaaatac aaatcaatac tattaattta 240

tttactaaa 249

<210> 6366
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109f03b1

<400> 6366

tgctaatcag agtggtgtcg atcggacatg gagcggctta attctcatca tgggctgcat 60

gtctaactat ccgcttagac ttattattcc gccagatact gagtctattt tgctccatag 120

aaaatttctt ctgttgagcc tggctatgga gaaagatgac cttattggcc cgactcgctt 180

tgctggctaa gaacttcccc tgcccaatc 209

<210> 6367
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109f07b1

<400> 6367

tgttacgcgt ccgatcgccg tcatcggcgg cacagggaag tacgagaccg ccaagggctt 60

cgccgccatc cgcacactgc accccggcga ccagcacgcc accgacggcg tcgacagcct 120

cctccagttc gatattcacc tctcctgagc tgagctgctt ccctaactag tggtatcaga 180

ttatatgatg ctctgccgtc gcgctgaaca tttgaaatct gaattttacg gcctatgcat 240

tttactacca taacacctcc tatatggtaa tgcaaactaa gtacctggtg tattttatgc 300

attattttat gaaaaaaact taggtttttt aatgcctt 338

<210> 6368
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109f09b1

<400> 6368

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cccacccagg aaaccagcca tgaaggggc caaatccaag ggcgccgtca aggccgacac 120

caagttggcg gcgaagagca agggggcgga gaagccggcc gccaagggga agaaggcaa 180

ggccggcaag gaccccaaca agcccaagag ggcgccctcc gccttcttag tattcatggg 240

cgagttccgc gaggagttca agcagaagaa cccccagaac aagtccgttg gcgacgtcgg 300

caaagcggac cgtgagaggt ggaagaactt gagcgaattc gacaaaggcc cc 352

<210> 6369
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g02b1

<400> 6369

ccctgcatgg atgcggacgc acagggcgaa ggcataaagg ctttggccgg acacccaaaa 60

aacggggtga ccacgggcaa tccggcccgg gggtcacaca agaattaagc aagaaccgtg 120

aaggtgttgg gtgagacctt agaaggtcgg gtgccgacca acgggggaaa caagggccct 180

ccggggccat ggttctttgg ggaggaagcc ctgaccaaag agaaaccgga tggcccgctt 240

ccgttggttg gtgaaacacc gaaccgcgag aggaagctgg acgggaccaa a 291

<210> 6370
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g03b1

<400> 6370

cttttcgctc ctctcctctc ctgccgcact ccacggctgc acgcctgcac acgtacaaga 60

gaaccccaag cgtcaggccc caagtggact gggctctccc atcggatcca agccgaatat 120

gtcgtcgtct gtctgaagtg gagggggagg cggcgcggat ttggcctgag gggacctctc 180

tgtgcttgtg cacaag 196

<210> 6371
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g04b1

<400> 6371

ttttctcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

tctagatcgc ga 72

<210> 6372
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g06b1

<400> 6372

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caacggacaa caactcatat acaacaagct gcccagtgat attgctgaac ggcatgttct 180

acttatggat cctgtgctcg gtactggtaa ctcagcaaat caagctatac agcttcttag 240

aagtacagga gttccagagg accacatcat gtttcttaat cttatctcgg ctcctgaagg 300

aatccattgt gtctgcaagc gattccctga tgtgaagatc gtaacatcgg agatcgacgc 360

cggatttgac caggattacc gtgtcgt 387

<210> 6373
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g10b1

<400> 6373

atcccccaag caccagagcc tcctcaacct cccggcgccg gcgcatcgac ggcatggccc 60

gcaccaagca gacggcgagg aagtccaccg gcggcaaggc gccgaggaag cagctggcga 120

ccaaggccgc ccgcaagtcc gccccggcca ccggcggcgt gaagaagccc caccgcttcc 180

gtcccggcac cgtcgcgctc cgggagatcc gcaagtacca gaagagcacc gagctgctca 240

tccgcaagct gcccttccag cggctggtga gggagatcgc gcaagacttc aagaccgacc 300

tccgcttaca gtcctccgcc gtctccgccc tgcaggaggc cgccgaggcc tacctcgtgg 360

gccttttcga ggacaccaac 380

<210> 6374
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109h03b1

<400> 6374

tcggtttctc gtccgcccac gcgtccggcc acgcgtccgt ctagatcgcg a 51

<210> 6375
<211> 332
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316109h04b1

<400> 6375

cttctagcca gcttggttca gtggagttct gtctctgacg attcgatttc ggtaccgcga 60

cggctccgaa atggagagcg actgccagtt cctgctggcg ccgccgccgc gcatgtacgc 120

cgcgccgggg gacgacggcc tgttgctgcc ttgtctagct ggttgatccg gaccatgtag 180

atcatcaggt cgatcggacc gtcatgtaga atcgtagaac agataggtag gatcccacat 240

gcaagcagcc acgaaatcta catgcgagaa atcttcccgc cggccggccg gcgatctgct 300

tcgtcgactc anaccangaa tgtgaaaacc ct 332

<210> 6376
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110a01b1

<400> 6376

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gtctcggctc gcctaggcca ctagcccgtc cgtccgtccg gctgacgatg ccgccgatgg 120

cgaccacgac ggcgacggcg acggcgactg acttcacggg gcgccgcttc gccttggcct 180

gcggcgtgct cagccagtac gtcaaggcgt ccggcgtcca ggaacccggc tatcaggcgg 240

acggggcgca ctgaaatggg gagcttgtac acacggaggg taag 284

<210> 6377
<211> 222
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316110a03b1

<400> 6377

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ctgtctgtcg tttaattact gtatttctat tcctgcgtcg gctaaactcc tgtgcccctg 120

agactgattt gttgtgaaat gcaagttatt agattgcaac ttgttagctt gtttttcaaa 180

atananaacc aacttaaccc ttatttcatc cctaacaatg ac 222

<210> 6378
<211> 471
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316110a05b1

<400> 6378

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cactgaacct taagggcctg tttgatcata cattcaattt gtatagagaa atcatgtgtt 120

cttcgtgtgg tgcaaccaaa ctactattac tgactaaaaa aaaaaatgcc cacctaaaac 180

cactggaaga acactcagca atgtaaagaa aaaataaaca gtcactaaaa gaaaaaccgt 240

tgcttaatga ggaaaaatat taaagaggag attgattaca caaggcctaa acattggggg 300

gggccctttt ttaaaaacca aatttctggc accagccttg gggtacccaa attttttttt 360

tttggaccac aaaattaatt ttccggccgg ggtttttcaa cctgggggcg gggaaaaccc 420

ccgttccacc acacataata tctttttaaa aaaatcccct ttttgcgggg g 471

<210> 6379
<211> 109
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316110b03b1

<400> 6379

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aaaacaaaac ccaaaagaga aaaaccccac acaaaaaacg aaaccatgg 109

<210> 6380
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b04b1

<400> 6380

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ctgtccggcg cctcgtgttc tcgccactga ccccacccag ctccaagact tctgcgttgc 180

tgatataatg aaccctgtga ttgtgaatgg gttcgtgtgc aagaacatga agatggtgac 240

ggggaacgac tacttcttgt ccgggcttaa caagccggcc atgtttaacg cttatgcctc 300

cgccgtgaca cctgcgacgg cgcgacattt gccgtcccct gatcactctg ctcatttcca 360

tgttcctcat tgactttg 378

<210> 6381
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b05b1

<400> 6381

gtgttatact cgggggcac gcgttggtcg gacacccagg gttagcgttg cacactctag 60

gggaggtgtg actggcaatt tggggaggcc aaaactacat caatggcccg cgaggtacaa 120

acggcggtaa ttggaaaatc cctgggggga acccaaaata aaggggtgg gggttataaa 180

gtatccaacc ttgtgaccac atccatacga ggccttaact cttctatggt gcaaacaaaa 240

atcaaaccct tgggcgcaaa tttacaacac cggaactggg aaaccccagg cgtaacccag 300

cttattgccc tttgaaaaca acccccttg ggaaaatgcc gtagtaccaa acaggcccgt 360

cccgatgcac ttcccccttt ttccgcagct tgaataccaa aggggacccc cccc 414

<210> 6382
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b06b1

<400> 6382

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cacgcacacc ccgttacccc agttatattc agcactccat tttaccgact aacaataaca 120

gcgcaccagc actatatccc catgtccaac gcgctggtac agattactta ctgtatgaca 180

cagatttatt ggcaccacaa gggggtatgg gattgcatta actcttggcg atgtctgggc 240

aggctggggc ttccttcttt tt 262

<210> 6383

<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b08b1

<400> 6383

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gtttgtcgat gccatgctca gtatcgacat tgagcatttg gacaacatga acaagagcat 180

ggagcatggg ttcctcggct tccgtaacac catcaactcc ttcaatgctt ggatcgataa 240

gatgaaggct tccaaggttg ttccttgatg cttttattgc cttgtatcta ttggtgggta 300

cagcatgcta tcgcatccca tgttattcct catttatcaa tttatttctg aaattagtta 360

catcccatta tttgtgccaa atgttgtaat ctagaataag ccagaaccaa ataatgcttc 420

tcaagttgtg aat 433

<210> 6384
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b12b1

<400> 6384

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aaacagctat gagctagtat gaacgttctt aggtgtagct tgagttgttg caagctttgt 120

tgcgtaattt gctgctattg gtttttgcag actaaataaa acaatgatcg aacattatat 180

cttcatgacc aaaaaactga accataaaaa aaacgggtct gcc 223

<210> 6385
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c02b1

<400> 6385

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taactattta tcttctccaa ttgaatctct cgtttccaag ggtgttcctt gtgtgaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaac agaaaaacaa aactaaaaaa 180

aaaaaaaaga gggactaaac cgtaaagcaa ccctgacagg gaccacagaa gaactcgcgc 240

ttagtttggc taaaagtgaa acaaaatgta gttgactggt ggtctatgcc tagcactggg 300

cgtggaaaaa ccccg 315

<210> 6386
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c03b1

<400> 6386

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gacccatgac acacacacac atacaacgcc agggtcttat tctgcactgt gcagagagaa 120

gagcagagag cagaggatgc gcatagtaat gccacatgaa cggtgagggc tccttggtgt 180

gagaagatgg cgctaaagac ggggccgggg ccggtgtgag aggacatgaa catgcaccat 240

cacatcgagc gacagggtga caaggactgg cggacgctga cgaagcaggc cggtctgatg 300

tgctgagcaa ggagctgtcg catgcggtag atgatgtacc tgttcacgga tatcatgcgc 360

ggacacgtgc cagcgaggag gatga 385

<210> 6387
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c04b1

<400> 6387

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tcgtgagcag tactactgca aggatcttgg tacgtgctag accacatcct caccctttat 180

ttcttgtttg gacggcttaa gacgcgtata cgcatgccga acgtttattc tacataagtc 240

atgcatgttc tctgcatgcc catctcgatc aggcgcaaag cacctagcaa gtgaggctgc 300

tccccgggtc gacgccgaac tgcctgcagt aggccctgta gtagcccgcc cgggcgttca 360

t 361

<210> 6388
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c06b1

<400> 6388

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ttacggtggc aacacaaggc tgtacgtggg cagtcttccc tcgcgcaccc gcacaaggga 120

cctcgaagac ctgttcggaa gatatgggag agtgcgacat gtgtgtatga actacgtggt 180

tgcattagca gcgtgttagt gaacgcagag atgctcggga acgaaggaac aactgggact 240

gcctgtggca taactgaaag aggatcttgt tgacacgagg cctaagcttg g 291

<210> 6389
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c08b1

<400> 6389

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caggttattg ctcagcttga gttgtggaac gagaaggcca ccggcaagta cgagaagaag 120

gtgtacgtcc tccccaagca cctcgacgag aaggtcgcgg ccctccactc gggcaagctc 180

ggcgccaggc ttaccaagct caccaagtcc cagtctgact acattagcat cccagttgag 240

ggaccttaca agcctgcggc ctaccggtac tagttgtgtc agcgcgacta gcggctggcc 300

tgagcctgag tccgtgcagt ggcaccaatg ggaaccctat caactatcct cgtttcttta 360

cattatctaa catgc 375

<210> 6390
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c09b1

<400> 6390

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cgtggccgcg ctgctcctgg cggagtcgga aatgacgccc gagcagaagg cgaaggcgac 120

cgagaa 126

<210> 6391
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c10b1

<400> 6391

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ggtttgtgga atagtaagta acctgatgtt acctgaagtg gataagtata tgtgcagatg 120

gttcctgtat aagatctgct tcttgcatat cagcttgagt tgttcttggc tcaagaatgg 180

cctagagcag tagatcttca tggcactgaa atcgacgatg ttcttatttt attaatgctg 240

gccagaacat c 251

<210> 6392
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d03b1

<400> 6392

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cgcagctgcc gtgaacatac tagttgtagt agcgctgttt ccttagtgga gtttgccttt 180

atgccggatc tcggagtgat gacgatgggg attgg 215

<210> 6393
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d04b1

<400> 6393

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ttgccagcct gcggcggcag tggataaccc gacagagaat ccgtcggctg agtgttgtgc 120

tgcgcttggg aaggccaatc tatcatgcat ttgccgctac aaaggtatcg ctggcatatg 180

gctgagaatg taccacatcg acgcaaagcg cgccatggct ctgcccggca agtgtggtct 240

caccatgccc aacaactgct catgatcatt ggatgtacta ctcatgagct gatgagcatc 300

taggagtcgg ttgttctaca tctgcatcga cacttatata tggctaaata agtggaggag 360

cacttgaaaa agcattgtgc tcctcggtct tattggtggt gtggaattcg aaaggtgtga 420

ttattccatt aagcttttga taaaatagta tatgcctgtt attctagaag ggtgaggatg 480

gcaaaccgtg ccttgcatgt tggtccatga aaattaatat cttaatatgg tgcgggtcg 539

<210> 6394
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d05b1

<400> 6394

cacttttttct tccaacttcc tctaattatc gtaaatagat aatttcttca cttgcattta 60

ctgtacaaca attctacctc gtatttatat gtatacaaat aaataattaa tttccttaaa 120

caaaaaatcc aattaaaaaa atatcatcac aataaatt 158

<210> 6395
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d08b1

<400> 6395

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ccagcgcgca ggctacatgg gaggaggcat gggacggggc accgggctgt acatctgggg 120

ctgcgagtgg ctctgcgagc tgctcatctt gttcgtcgtc ttctcctgct agataccttg 180

gtttattgct catatacatg catacttcca tcttatttgc attagtgtga gagacaggga 240

gcgtgtcagt gatcttttag gcgaggatgg ccgggaggg 279

<210> 6396
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d10b1

<400> 6396

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<210> 6397
<211> 83
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d12b1

<400> 6397

tcttcatcgt ccgcggaccc cccttaaacc tctccccctt gtaaccatta ttatcggttc 60

aagaaagttg cttctctttc tgc 83

<210> 6398
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e01b1

<400> 6398

ctcatgcgtc cgcccacgcg accgcccacc tcgaggggta ttcctcctct gccttgctcc 60

ccccaccact ttcggccaac gctcctccag ccagatgaga ccggcagcgg ggacctaccc 120

caggccattc ggcgtgcgca actccggagc ccccgccgac tgggcccctc cggccggctc 180

catgcacggc tactacgccg cgcaggccgc ctactccggc gggtacgaca agatgc 236

<210> 6399
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e03b1

<400> 6399

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tcctgtgggt gaagatatgt tccactggca ggcaacaata atgggcccat ctgacagccc 120

atattctggt ggagttttcc tagttactat ccacttccct cctgattatc ctttcaaacc 180

accaaaggtg gcattccgca ccaaggtgtt ccatccaaac attaacagca acgggagcat 240

ttgtctggac atcctcaagg accaatggag ccccgctctg actaattcca aggtgcctgc 300

tgtccatctg ctacctggtt ggggacccaa accctgatga ccctctggtt cctgagatcg 360

cccacatgta caagacggac cggcacaagt acgagagcac ccgcaggac 409

<210> 6400
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e04b1

<400> 6400

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gagcagcgac accgtcgaca acgtcaaggc caaaatccag gacaaggaag ggattcctcc 180

ggaccagcag cgtttgatat ttgctggcaa gcagttggag gatggacgca cgcttgctga 240

ctacaacatt cagaaggagt cgactcttca cttggtcctc aggctcaggg gcggcacgat 300

gatcaaggtc aagactctca ctgggaagga gatcgaaatc gacattgagc ccaccgacac 360

gattgacagg atcaaggagc gcgttgagga gaaagaaggc attccttctg tgcagcaaag 420

gctgatt 427

<210> 6401
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e05b1

<400> 6401

cccatgcgtc cgcaatcaat caatcccacc tactccacct ctcgccggag ccccagcaag 60

gagcaagcaa ggaagatgga cgccggcaag ctgaagaagg tggccgggaa gaagttcggc 120

gggccgagga agaagtcggt gaccaggtcc gtcaaggccg ggctccagtt ccccgtcggc 180

cgtattggtc gcttccttaa gaagggccgt tacgcccagt gcg 223

<210> 6402
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e07b1

<400> 6402

tttcacctac ctgactgaat tcaagtgtca tattgtgaag tgatggcaga aggcctctat 60

gggtctatgg gtgcacccat ccaacaaatt aatagagatg ggaactg 107

<210> 6403
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e09b1

<400> 6403

ggtgaagttc aaggaagcca tggtaaggat gggcgctatc gaagtcaaga ccagggacga 60

ttttttcaat ggtgccgctg ttgagatcag gaggaattgt cgcatcgtca actcatacta 120

aacttgttga tcttatcgca tcatcgctag tttttcaaca gtagattgag aataagctcg 180

tgctttctcg ggtttccatt gatgtttatt ttgattactt ttgtaatgtt attattttct 240

ccctataata a 251

<210> 6404
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110f02b1

<400> 6404

cggtctcgtg ggcggacgcg tgggcggacg cgtgggcagc taccctggct gggtcactct 60

tcacattgca ctgctcccag atccatatcg acatgcccac gctgtctgat gaggataaag 120

atgttatgaa aaaatggggt gctccaaaca agattgactt cctctctctt tcttatacaa 180

ggcacgcaga agatgtgcgg caagcacggg agttcctctc ttagttaggt gaacctagcc 240

aaactctgaa ttttgccaa 259

<210> 6405
<211> 575
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110f05b1

<400> 6405

ctcatgcgtc cgcggacgcg tgggggatgc tctgggtcct ttcagaccaa taaaaaaaaa 60

ataaaaaaat aaaaaaaaaa aaaataaaaa aaaaaataaa atatttttt attaattatt 120

tattatataa ttattaaatt tattataata attttttat tttataattt aatatatttt 180

attttttta tatttttttt ttcatcttta ttttttttt ttttttctt tatattatta 240

ttttatttat atttattttt ttttttttat catatttttc ttttttact ttattttata 300

tatttttta ttttttttt attcattata ttttattatt tatttttaat tatctatctt 360

tttatttaat ttatttttt atttataaat tcttttttc tttatatttt atttattata 420

ttttttataa taatttttc ttatattttt ttttttttt ttattattat ttttactttt 480

ttattttaaa ttttatattt attttttttt ttttttttt ttttattttt tttttattat 540

tttatttatt tcttatattt ttttttatat tttta 575

<210> 6406
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110f12b1

<400> 6406

tttatgcagt cgccgtcgat gccgacgacc ccggccacgc ctttgacgcc gtcgtcgtcg 60

acgcccccgc gcggcggcag cgtgtggcgg agcgttttcc accccgggag caacctggcc 120

accataagcc ttggcgccaa cctttttgac cgcccgcagc ccaacttccc caccgtctac 180

gactggcttt acagcgacga gaccaggacc aggagcaacc accgttaaat aagagccgtc 240

ggccgaagaa gaagagaggg tgctcatcat cttctgcgac gctcgccatg tttgctgctc 300

ttttggttat ctaatcctgc atagcgtacg ttgcctgtcg aggctgtatg tgggttgtct 360

tgagcttcgt actactggct acttgtgctt gtaacttttt ttttttttcc cggtctgctc 420

actgtcatgc ttt 433

<210> 6407
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g03b1

<400> 6407

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gagtgggagt ccggccatgg cgccgtcgca gcccaagtca gggctcttcg tgggcatcaa 120

caagggccac gtcgtcacca agcgcgagct gccgcctcgc ccgtccgacc gcaagcggaa 180

aggtacaaag agggtgcatt ttgtcaggaa cttgatcagg gaggttgctg gatttgctcc 240

ctatgagaag cgtatcactg agcttcttaa ggttggaaag gacaagcgtg cactcaaggt 300

cgccaagaga aagcttggta ctcacaagag agcaaagaag aagagagagg agatgtcaag 360

tgtccctagg aagatga 377

<210> 6408
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g07b1

<400> 6408

gatacccaaa ccctaccgag ctcctcctcc ccccatcccc tcgttgcggc ggcgacagag 60

aggagagaga gagagagaga tggcgaagtc tctgcggtcc aagcgggaga agcggctgcg 120

gacgctccgg cgggagatcg cggagccctt ctacgacaag aaggaggccg ccaagcaggc 180

cgcgcaggcc gccgccctcg aggcccccaa gcttcccgtc cgcgtgcacc cgatgtacga 240

ggagtgcctt ggcgacgccg ctgccgccga cgtcagccgg gcctcggcct tgaggttgat 300

ggaggaagca agaagtctgc attcttcctg tagccaatgg g 341

<210> 6409
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g09b1

<400> 6409

ccctcgcgtc cgcatggcgg cgaggagcga gaacgagtcg gacggcgacg tgggcaccaa 60

ccccgccgag gggggctcgt gcctgtccct gccgcctcta gctgccggtc cagccgtgtg 120

cgtcctccgg tccgccgggg acttcgccgg cggggccttt gtcggatcta tttttggata 180

tggacaaggg ttggtatcta agaagggttt gaagggctta cttggcaatg cagggttttt 240

ttggcaaagg tttgcaggta tt 262

<210> 6410
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g10b1

<400> 6410

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catcaccctc tcctccaagt ccgtcaagaa cctcgagaag gtgtgctcgg atctggtgaa 180

gggcgccaag gagaagcagc tcaaggtcaa gggccccgtc cggatgccca ccaaggtgct 240

caacatcacc accaggaagt ccccctgcgg agaaggtacc aacacctggg atcggtttga 300

gatgcgggtg cacaagaagg tgatcgacct cgtcagctcc ccggacgtag tcaagcagat 360

cacctccatc accatcgagc cc 382

<210> 6411
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h01b1

<400> 6411

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taatatcact gtactggaac atggttaggt gtttatggtg tgctggaaat gctgcatgtt 180

gttggcattg ttccatttga gtctcggatg atgtcgcttg ttgcttattt gttttcagtt 240

agtggggtcc tt 252

<210> 6412
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h03b1

<400> 6412

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ctggtgtgaa ttgcagaatc ccgcgaacca tcgagtcttt gaacgcaagt tgcgccccgag 120

gccactcggc cgagggcacg cctgcctggg tgtcacgcaa cctgattgtt tgttctc 177

<210> 6413
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h04b1

<400> 6413

aattttctcc tccccatccc ctccatccct cgaaccatcc gtccgtcggc catggccacc 60

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agctccggaa tccagggcat caacagtctc agcttcagca acaaatcatg gatcggcacc 180

gcattggcgt gcgacagcaa ggccgcggca cattcgaggc atctctgcag ggcggtccag 240

cagtcgagca agagcaaggt cttcgtcgcg ccccttgacc tggagagcgc caaggagccg 300

ccgctcaaca cctacaagcc caaggggcct tacacggcca ccattgtctc ggttgagcgg 360

gcggtaggcc ctaacgcccc aggagagacg tgccacgtcg tcatcgacca tggtggcaat 420

gtgccgtact gtgaggggca gagctatggg attatgtctc cgggagagaa cccaaagaag 480

cctggaaacc cacagaat 498

<210> 6414
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h09b1

<400> 6414

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gcttcccatt cccaggaggc atgggtggaa tgcctggtgg cttccccgga ggaatggggg 120

gtgtgcttcc ct 132

<210> 6415
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h10b1

<400> 6415

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ttagcgctac caagccctcc gttctttcca gttctcggct gctttctccg tcccggtcat 120

caatcttcgt cgagcagaga gaggaaggag gtcgtcagat tcgcgcgaga tccatgggga 180

agtacgtgga gctgctggat atgggggtgc gcatcgccgc gcggttccac tcccactgcc 240

ctcagacggc ccggatgtac taccaccctc ccgcttcctc ctcggccgcc cccggcgccg 300

tcgacggcgg cgggatggtg cccggagaag gcgccgtggc catggccatg atgaagaggc 360

agcagcgggc cgccatcgac gccacggaga ttattctcta caccgtcgtc taggccggtt 420

gcttctgagc tcgtccggat ttatcgcgcc attgaagaga gaggagaggt gttatcttct 480

tttattgcac ttactgtcta cttccgatcg agagagggaa atgaaagatg ggagacaatg 540

tttgattgat t 551

<210> 6416
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h12b1

<400> 6416

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agccgctggg atgagatgtt cgagtacatc aaccgcgcca gatataggat actcgagact 120

tatattgcct gctggattaa ataagtggtg tgttgtaacc caccaccatc aagtcattct 180

gcgctatata atgtcaagat caatcaagat ttgggtatga tgctcatgta aatcttgtga 240

tttgttctga cattactttt ctggcttgta tggatgataa ttgtatgcgt gagctggttg 300

tacctatgat tgcgtgatga tatataacta aaatt 335

<210> 6417
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113a03b1

<400> 6417

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aaagcatcta tgggagcaat tatattagag gtcaaacacc gctccgtttg cctcggacaa 180

gggatgttga tgcaaacgga attaatgtga aggttaagta ttgtgacacc tgcttgcttt 240

accgaccgcc ttgatgctca cactgttcta tttgcaataa ctgcgttgaa cggtttgatc 300

atcattgccc atgggttggc caatgcattg agcagcgtaa ttatcggatc ttctacatga 360

ttgtattctc caccatgtta atctgccttt acgtaatcgc cttctgttgt gtgtacataa 420

ataagaatag tgatgctgag cagttgtcaa ttgg 454

<210> 6418
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113a09b1

<400> 6418

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ctaagtaatt atctgtgtaa taatgtccgc tggcttgagg ccataccttg tactctgtca 180

gtggtttgtg tgccgttgca ctcgatcgcc tttatgccac acatctatcg aatgaaatgc 240

agtagtgact tttcatggtg aaaagcttga tgaca 275

<210> 6419
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113a11b1

<400> 6419

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cacgcgtccg cccacgcgtc cgcggacgcg tgggtgcctc tgttcagccg tacctgcatg 120

agtcccggca ccagcacgcg atgaagcggg ctcggggaac aggcgggcgg ttcctcaacg 180

caaaggagaa gtctgaagct tcaggcggag gcaatgcatc agcgaggtct ggccacgccg 240

gcgttccccc ggatggcggc atgttctcga agcacgacca caccttacca tccggtgact 300

tccattaccg cgcgagaggg ggcgcctagg gtgggcacgc agttgccccc tggcaaatca 360

tccttggctt atgcgtgtgg cgaatgaccg tcaactcggt ccagtgatat tgtacaattg 420

aatttagagt ctgtgcaatt gtgttacttg cgggtttgga agacaggcct tgcttttggg 480

gaggggacga tgcagctgca gctgc 505

<210> 6420
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b02b1

<400> 6420

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gccggacgcc atggctccca ccaagaagtc gaagaagagc acggagaaca tcaacaacaa 120

gctgcagctg gtgatgaaga gcggcaagta cacgctcggc tacaagaccg tcctcaagac 180

gctccggagc tccaagggga agttgattat cctcgcaaac aactgccctc cgctcacgaa 240

gtctgagatc gagtactatg ctatgctgtc caagatcagc gttcatcatt tccatggaaa 300

caatgttgac cttggaactg cctgcggcaa gtactaccgg gtctgctgtt tgagcattct 360

tgaccctggt gactcggaca tcatcaccac cgttcctcag tgaagacaag cttacctatc 420

ctagcctaag atgatgtagt gtggagagtc gtgcttacaa ggccgatggc cgtctcgtta 480

tcgagccaga gctgccaaac gcagtttcaa ccaaacatgg ctgtttttgt aggcaatcct 540

atgggtttt 549

<210> 6421
<211> 533
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b03b1

<400> 6421

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gcgacgccct ctacacctac atcctcgaca ccaccgtctt cccccgtgag cacgagtgca 180

tgcgcgacct gcgcctcatc accgacaagc acccatgggg ctacatgcag tcgtcgtcgg 240

acgaggcaca gctgctgggg atgctgatca agatggcggg cgccaagaag acgatcgagg 300

tgggcgtgtt cacgggctac tcgctgctgg ccaccgcgct ggcgctcccg gaggacggca 360

aggtggtggc catcgacacc gaccgcgagt gctacgaggt gggccgcccc ttcatcgaga 420

aggccggcat ggcgcacaag gtggactttc gcgagggcac cggcctggcg cgcctggacg 480

agctgctcgt cgaggacgag ggcgcggcca gctacgactt cgcgttcgtg gac 533

<210> 6422
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b04b1

<400> 6422

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tgaaggcaag aggatcatcc tcaactttgc gagatacgtc gaggagtttg agaagcagac 120

ctccgagggg aagtagatga ttcaggaatc agagcagtta gaggaagtag agactattgt 180

tgagagatca ggcaggcagg aaggggccta aaagccaagc agattcagag aggaataagg 240

gaacagagct ttccgttgcc attcgtttgg ttcattgtaa tatatcattg tggatggaga 300

tcccgtatga acttcattcg gtcagttatg tgcgtcgtgg tgctcttcct caaataataa 360

atcggtggaa gctg 374

<210> 6423
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b05b1

<400> 6423

gcgtttttcc ggatgccaaa tttcaatagc gttcactcgg agtcggaaac aacgacccaa 60

ccagacacac cacacgccac cgattaccat tcttgcgggg ctcggcggag ggtgtaagaa 120

tgggctgctt gtagtgcacg cgcgggccgt tgatcggcag gggctcctcg gccacggaga 180

agatcgccgt caaccgtcgg accgggggggg aactagcggg caagagagtg gccgccgatc 240

gggacgccga gctgaggggc gagcggggca tcctccgagg actaagatcg ccggacgtcg 300

agcgctgcct ggacacgcag gacaggagcg gaggacttct caacatgata atggagaacg 360

cgttcggagg ctcgctgtcg gacgagatca ggc 393

<210> 6424
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b06b1

<400> 6424

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tgatcatgat gctgacttct ctcagcgcag gtccgggcaa agggggtcta ggcagcatgc 120

ttctaggcca gaagcatcac ctttggactt tggcattcgt ccacagtcca aaattgaccc 180

cgaacagata cgggctcgtg ctaagcaaca ggtacaagac cagcgccggc tgaagatgaa 240

caagaaactg cagcggctga aagcgccaaa gaagaaaaac ctccaggctt caaagcttag 300

tgttgaaggc cgtgggatgg tcaagtactt gtaagctaga cacccccgac agccttgcga 360

tgcatatgat ggtgtgcgct cagcagtggg ctgctgaagc agtatcaagc actcttccac 420

cattgccatc ggagggcaac aagatcggtg gaaatggaat tgcttggctg atata 475

<210> 6425
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b08b1

<400> 6425

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aagatggcga gggagaggaa cctcgagaag ctgaagggcg gcaaggggag ccagctcgag 120

gccaacaaga aggccatgaa catccagtgc aagatatgca tgcagacttt catctgcacc 180

acctctgaag caaagtgcaa ggagcacgcc gaggcgaagc atccgaagag cgacctcgtc 240

cagtgcttcc cccacctcaa gccgtgatat ctgccaaatc ggacggagag agagataaaa 300

gagagagaga gaagctgccg taatccacct agtattatca tgttccgcaa tgactggttg 360

ttgacctaag catgggtctg aactctggtg tgctgctgtc ccagctgctt tggttgtgtg 420

cccatctact atgtaatcgt cctctatcag cctgttgtgc tacaatatct aaatctgtgt 480

ggatttgctc ct 492

<210> 6426
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c03b1

<400> 6426

acgactatca cccacagccc ggatccagat cttgttctag tagcaacctt cttctgcgtc 60

ggccgctcac agggaaggga aggactccac cgtcgagccg attttcggag cggatcgttc 120

gtcggtcatc aggcgatggc tcgcgcggcg aacgttgacg cgcccgctgc cggcgcggcg 180

cagggcgggg cgaggaaggc ggaggggttg gcggcccggg ccggcgacgg caggaggtc 240

gaccaggccg tggcgtacct gcttatggcc gtcgcgctcg gcgtcaccta cctcgtgcac 300

tgatcggtcg atcggtcgac ggacgacagt cggcagctag gagaattcat gttcgtgtgg 360

cctcatcttt gtgtagatct ttagcgagga aaagaaaagg gattctatta cttttggatc 420

tctgaagcta gtt 433

<210> 6427
<211> 534
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316113c04b1

<400> 6427

agcatatcca atagagaaga gagaggcgca ccggcccttt ccaggccacc tggccctctt 60

gccctcgagt tcagctcgga tgaacgatga tgtgaggaag cagcaagaga agcaaaaggg 120

aagaggaggc ggaggtggaa gcggaggagg aaggctggcg aggatgctgc gggagcacag 180

ggccaggctc tacatcatcc ggcgctgcgt cgtcatgctg ctctgccacc atgactgatg 240

ctcgctccac cgatcgatgt ttacctgcga ccctggcccc tgctacatcg tctctgcctg 300

ctactctgtc cggccaccat gtatctaggt taggtattgt ggtttcgatc ttggttcttgc 360

ttgtgcaggc tcgacagatt aactccttgg tgtacatata ggcaggggat gtaggtagtt 420

gttttctgaa ttctgacggn tactctgggt ttcgaggttt ggtgggagtg tggcgtggtg 480

ctcccaagtc ctgcaatggc gaggatgcac atgtatcgat ctgttctggg tact 534

<210> 6428
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c05b1

<400> 6428

cccactcgtc cgcggacgcg tgggcacaca cacacacaca cacacacgca ctcagagaga 60

gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120

gagagagagg agaagaagaa gaagaagaag aagatgggtc agagcccctt gatccggctg 180

ccggaggagg agcaagttca gctacttgta acgacccatg gcagcaatag gaaggaacag 240

cttggcgagt ctacataagc tacaaataga tactacaaaa actcaagcaa ggacgatcta 300

gttttgaggg cgacactaga ctgaatcact agaatgggat gaaatcttga tcaagtgaca 360

aaaggaacat acaattaccg gtgattgcgc gaatgtcacc ttctgtgcac tttatagttg 420

gaagatgatg cacttgccta gcttgaatat ata 453

<210> 6429
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c06b1

<400> 6429

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tccaccagtc cgccatcaag tccgacggct accgcagcct caacgagaac gacgccgtcg 180

agttcgagat aatcaccggc gacgacggac gcaccaaggc ctccgacgtc accgcaccag 240

gaggaggggc gctctccggc ggctcccgcc ctggcgaagg cggtggtgac cgcgggggcc 300

gcggcggcta tggaggcggc ggcggtggct acggcggtgg cggtggtggc tacggaggcg 360

gtggtggcgg ctacggcggc ggtggtggcg gctacggtgg cagtggctat ggaggcggca 420

gtggcggtag ccgtgggtgc tacaagtgcg gcgaagat 458

<210> 6430
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c07b1

<400> 6430

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aggcaacatc acgttacggg agctcctgga gtggctcaag gagaaggggt tgaacgcata 180

cagcatatcg tgcggcacgt cgctcctgta caactccatg ttccccaggc acaaggagcg 240

gttggacagg aaggtggtcg acgttgccag ggaggtggcc aagatggagg tgccatcgta 300

tcggcgccat ctggatgttg tggtggcctg cgaggatgat gatgacaatg acgttgacat 360

cccactcgta tctgtctact tccgttgaaa ggattccctc tgaattgaca tcatctcgtg 420

tcccatcttt ccagtgaagt actttatata gttatactgt aaactgagct ggggtttaaa 480

gcaatattac tgattttcgt atgc 504

<210> 6431
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c11b1

<400> 6431

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aaactgacga ccttctggca gactcagggt ggcactgcag cttttgcttt cggtacataa 120

atgattatgt cttcaaaatg aaagcctaca gccatgtgga ccggatcagg ttcagctact 180

tcttgaaccc gaaaagaatt cagcatgtga tatgccaagg ggctgatctc tttgatatgc 240

ttccggagga gtacacgttc caagagatca tcgccaagct tgggccgatc ccaagtacgt 300

attcggcggt tcatcttccc gcctatctgc tcgagaaggc tgatcagtac agatatcttc 360

ttcctggcaa ctgcatgaga gaaagtgggt agcctccgct gtttgcatca agatgtgatg 420

ccccccttggg gaagagcgtg gcttagcggt tgtatttgat accagtggct ggctgactta 480

gttggaatgg cggttgtgtg ggttcatgat tttgaccatg tattcaaaac aatggaagag 540

ggcctgcagc atacgca 557

<210> 6432
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c12b1

<400> 6432

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cgtgtgtcaa agcattgatt tgaagagttg aatttttggg aggggttggt gttagatcat 120

caggggggtag tggccacgcg ttagtagcag ctatagtgga ttgtagcagc attaaatcgt 180

tctgtaattt gaaaatttgg agggagaaag aaaaagccaa ggtccagtgg ttggccctaa 240

caaaaaaaaa acataaaaaa tcaaaaagat aacacaaa 278

<210> 6433
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113d02b1

<400> 6433

ggttttatca cattctactc gacgacaaag cctcttgaca aatcttggca tgtccttggg 60

ctcgggtata atccaagcat cagcatggag gagattagaa acgctgctgt tgtgcatttc 120

aatgggaaca tgaagccttg gctggacatt ggtatgaacc agttcaggca gctctggaca 180

aaatacgtgg attacgacga ctcgttcatt cgtcaatgca attttgcacc gccatagaag 240

aaggaagcct tgacatttat tctgcagaaa tggaaaaggt ttggagattg gaactgggga 300

acatttcagc tggaacagcg ccgaacatct tttactgtca gatgactgcc gtcctgaaac 360

cggttttcat ttctaattcg aaaacaatca cttgcgattc tacttgcctg agattagtct 420

tgtgaatgtg taaaattgtg atacgaattc tatgtctcat gctatactta gtactgagtg 480

ctggatag 488

<210> 6434
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113d05b1

<400> 6434

aacctgtcct atgcttacct tgatagtatc tgtttgcacc gtcaaatttt gctaccttcg 60

ttctgtggct gaacctccag gcatgtctgt tgaactattt gctatgtgcc tgtgttacct 120

ggaattcgaa tgattgaagt agtcctcgat gtgtgctaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaggagg gggggggggcc tttttaaaga aacaaatttt 300

cctccccggg tattccaatt ttttttttt ttttggggga accaaaaata aattcccttg 360

ccccctttt aaaaaggggg aaaagggaaa acctctggca ttcccaaatt aaatgggctt 420

tggaaaaaaa tccctttttg gcagatggga aaa 453

<210> 6435
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113d06b1

<400> 6435

cctttgcaac cacacagatt atgccacttc actaacagat gcgatagcga agatattaga 60

cccagtgagt gctctttcag ccattgatga agtgagcaag ttcagggagt gccaagggag 120

gtttgggacc aggttggcag aagaagctgc ggcgagaatg gggccaaccc aatggtggtt 180

tcagtttgga ggggatgttc ctgcattgca gaaatgtgca atgagaattt gctcacaatg 240

tgtctcctct agtgggtgtg agagaaattg gagcgctttt gctttggtgc acacaaagca 300

aagaagtcgt cttctatatg acaagctcca caagctagtt tctgtacgct acaacttaaa 360

gatacgtgct gaagaagatc aagagaaaga gagagatata gataaagaaa ttgatccaag 420

tgcattgcta atggatacca caatgtttga tgaaacaaac ccaataatgg agtggctgaa 480

tgaggatgta gaggatccga ttgtggatgg agctgatgca gctagtgctg tttttgagca 540

aataaggcgc c 551

<210> 6436
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e01b1

<400> 6436

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gcaatggtgt tgctggctcc ggcgacggta ggcgccgagc aggaggatgg ggccacaacc 120

attaccacct tgcacgtgga ggaggaggtc ggctcgcgtg ccgatgacca tggcaacgac 180

gattgcgaca tcaagtgcgc ctattaccaa gatctggcca ggagacagtt ctgtgtggac 240

cagtgccaca gccagcagca tcatcatcct agcagagaag actgcgagtt gaaatgtcaa 300

cactggcaag acccaacaag aaaggaacta tgcgtgcaac agtgcatgag cttcggcctc 360

aacctccatg tgggtggcag cagcagcgtc catgagcgcc ctcatgcctt ggaggaggag 420

gtcggttcgc gtgccgatga ccatggcaac gacgattgcg acgacaagtg cgcctattac 480

caagatctgg ccaggagaca gttctgtgtg gaccagtgcc acagccagca gcat 534

<210> 6437
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e06b1

<400> 6437

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gcagcagctc ctggaggagc caatggcgcc ggcgcggccg gcgtactgcc ggagccgcgag 180

cttcggcagc ctggtggcgg accagtggag cgagtctctc ccgttccggc ccaacgacgc 240

cgacgacatg gtcgtctacg gtgccctccg cgacgccttc tcctgcggct ggctccccga 300

cggctccttc gcggccgtca agcccgagcc cctgccctcc cccgactcct acgacggctg 360

ctgcctcggc agcttcctcg cgtcgccgcc cgggctggac gcgccgtggg cggaggaggc 420

cgaggtcgca gcgacggcgt caaggggggaa gcactttaaa ggcgtgaggc agccggccgt 480

gggcaagt 488

<210> 6438
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e07b1

<400> 6438

gttatgtctg tcggagggaa ccgtcatgtt ctttatgcaa gttatctttc acagaaccaa 60

cagaactaca gatctttttc ggcttcgtcc gaccaagaga ggatagaagc tgcaaacagg 120

ataatacatg gtctgccaag gtgtgtgaaa attgtagaag ttgggcctcg agatggactg 180

cagaacgaaa aaaatacagt gccaacacct gtaaagattg agctcataaa gagattggca 240

acctctggat tatcagttgt tgaggcaaca agttttgtct ccccaaaatg ggtgccacag 300

ctagctgatg cgagggatgt tatggaagtg gttcggaata ttacgggtgt aagctttctt 360

gtattgaccc caaaccttaa gggatttgaa gcagcagctg cagcaggtgc caaagaagat 420

gcaatatttg cgtcagcttc tgaagcattt tcaaagtcaa acataaactg ttcaattaaa 480

gaga 484

<210> 6439
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e08b1

<400> 6439

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tggtttgcct ccatggaggt ctctgtccat cattagatac attggacaat attcgttctc 180

ttgatcgcat acaagaggtc ccgcatgaag gacctatgtg tgatcttttg tggtctgatc 240

cggatgaccg atgcgggtgg ggaatttcac caagaggagc aggctacaca tttggacaag 300

atatagcaca acaatttaac catacaaatg gtcttagcct tatttcaagg gcccatcaac 360

ttgtgatgga agggttcaac tgggcacagg agaagaatgt tgtcacagtt ttcagcgcgc 420

caaactactg ttaccggtgt ggtaacatgg ctgcgattct cgaaattggg gagaacatgg 480

atcagaactt cctccaattc gatccagcgc cgcggcaaat cgagccagac acaacgcgca 540

agaccc 546

<210> 6440
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e11b1

<400> 6440

ggcgaacgca ttgacgccta tgtctgtaac ctgaaaaact gggtgttctc cgcccacacg 60

gcgcgcgagt ctcaccatga tacagtttgc accgttgttg ctgctggctg cccctgatga 120

gcttgtcatc gaacaatt 138

<210> 6441
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f01b1

<400> 6441

cccatttttc cggcgacgct gtggccttgt cgaggtggct taatgttcag agcttcagag 60

catgtagcga gtgccgagtg cgcaattaat atgctaattt ggttgcatat 110

<210> 6442
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f02b1

<400> 6442

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ccgtcagatc ctatgtcgcg gagttcatcg ccaccctcct cttcgtgttc gccggcgtcg 180

ggtccgccat ttcctacggg caactgacgc agggtggcgc gctggacccc gctggccttg 240

tggcgatcgc catcgcccat gccttcgccc tcttcgtcgg tgtggccatg gcggccaaca 300

tctccggcgg ccacctgaac cccgccgtca cgttcggctt cgccgtcggc ggccacgtca 360

ccatcctcac tgggctcttc tactgggtcg cccagctgct cggcgccacc gtggcatgcc 420

tccttctgca gtttgtcacc cacggccagc ctatgccgac gcacgccgtg tccgggatca 480

gcgaggtcga gggcgtggtg atggagatcg tgat 514

<210> 6443
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f03b1

<400> 6443

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aggttcgcgc aggactacgc gaacaagcgc gccgccgact gccggctgca gcactccggc 180

gggccgttcg gcgagaacat cttctggggg tccgggcagt cgtggacggc cgcgaacgcc 240

gtgaagtcgt gggtggacga gaagcggaac taccacctca acagcaacac ctgcgatgcc 300

ggcaaggtgt gcgggcacta cacgctaggt ggtgtggcgc aagtcgaccc gcatcggctg 360

cgtgcgcgtg gtctgcgccg ggaaccgggg cgtcttcatc acctgcaact acaaccctcc 420

gggcaacttt aacggcgagc gcccgttcct cacccttgac gccgaagcca agtagtacat 480

acgtgcgtgt gtgtttttt tgcgggggac gtgcgtgtgt ttatctgtgt gattttgaat 540

attacgtcta t 551

<210> 6444
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f04b1

<400> 6444

aaattttata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg gggggccctt ttaggggacc 120

caatttttcc tccccgtgct tgcgggctca tgtctttttt tttgtggcc 169

<210> 6445
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f07b1

<400> 6445

cttttatatc tgtaaatctg atatacaatg ctgggttaca gcattttgag gacagaagat 60

gtgtgtagac tttgacattg ctcagtttg 89

<210> 6446
<211> 484
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316113f08b1

<400> 6446

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gctggagagg gctctgtcgg aggccgaagc ctacgcctcc aaggtacaag tacgtcataa 120

caaattcgtg tcccctcgtg ctctaaggga acatatcaag aatattgaaa aggcagctgc 180

taatgctcta ccagacactt cggaggcctt gtgtccgcaa catccaaaat cagatgaaaa 240

gcgtgacagc atacaacttt ggtgggctgg aaaagagcta gctatgcata agaagctatc 300

tgactatatt ggtgttaatg acaaaacaaa gattgtcatc aggctaagcc tcccaacgag 360

cctttagtgt ggtcctgtcc gtcattgata tttcctagta ctccctgtgt atcaaaatac 420

ataacgtttt ggatactccc tttgtatcaa aacagagtat caaanaacgt cttatattat 480

gata 484

<210> 6447
<211> 551
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316113g03b1

<400> 6447

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acgacgacgt caagtcgtgc cagtgcgagg acttgcacgt gctctggtcc atcctcgtcg 120

agtcccacgg tctcccgccg cccacaccgc cggtgctccg gctcacgcgg tgaccggaac 180

gcgccggacg gcggatcgct ggcatcggcg cggcgccccc cggaataagg aacggccggc 240

gcggtgccgc cgtggctggc tccatgggag gtgaaccagt aatagtatag tagtagtagc 300

atatgatttc tgatgtaaag agcacatagg agcagttgtt tacagttcat ctggccttcg 360

tccggcgcct cttttggagc tgctgctggg acgggagagc gaggctgctg cgtttgcggc 420

ttctggacgc gtgtggtgat gggctttctt cgagcgcacc cctcttttga gtttttgatt 480

gattcacgcg tcgntttctg tcgagactgc acttggatgc agccctttaa ttcatcccca 540

ttaccaggga c 551

<210> 6448
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g04b1

<400> 6448

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cggattcgtt cccttacagg gagctggaga acggcgtgct ctgggaagtc gatggccatt 180

gggtcgttca aggagcagtt gatgtggaca ttggagccaa tccctctgct gagggtggtg 240

gtgatgatag gggttgtgga tgaccaggcc gtgaaggtgg ttgacattgt tgacaccttc 300

cgtcttcagg agcaacctgc ttttgacaag aagcagttta tctctcacat gaagcgctac 360

atcaagaacc tttctgccaa gcttgaaggg gatgacctag atgctttcaa gaagaatgtt 420

gagtccggca caaagtatct ttttagcaag cttaaggacc tttagttctt tggtggcgag 480

agcatgcatg aagatggcgg cgtggtgttc gcctactaca aggaggga 528

<210> 6449
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g05b1

<400> 6449

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gcggatccat tgcagcagct gatccggttg actgtgctgt taagagtgct agttgcggga 120

agatgatacg ccttagatgt cgtgatctca ggatctttgc tgaccaagaa agtgtcgtga 180

acgtcctatg gatgccaact gcgtacaggg cggactactt aacatgtggc ctgatgcagc 240

accaacaggt ctaagggctg agcgctacac cttactagga cactgactgt gactggtgct 300

ggt 303

<210> 6450
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g07b1

<400> 6450

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ttctagatcg c 71

<210> 6451
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g08b1

<400> 6451

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ttcgacaagg atggagacgg ctgcatcacc accaaggaac ttggaactgt gatgcgctcg 120

ctggggcaga accccactga ggcagagctt caggatatga tcaatgaagt ggatgctgat 180

ggcaatggaa cgattgactt tcctgagttc cttaacctga tggcacgtaa gatgaaagac 240

accgactccg aggaggagct taaggaggct ttccgtgtgt ttgacaagga ccagaatggt 300

ttcatctcgg cagctgaact ccgccatgtc atgaccaacc ttggtgagaa gctgacagac 360

gaggaggtgg atgagatgat ccgtgaggct gatgtcgatg gtgatggcca gatcaattac 420

gaagagtttg tgaaggtgat gatggccaag tgagctgcca tactaagcta gttctatctc 480

gatgttagca gctagtagcc ttgaaaactg acagcacttg gtactactgt taagtccagt 540

gaatgaaca 549

<210> 6452
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g09b1

<400> 6452

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ctcgtctact gcaccgccgg catctccggc ggccacatca accccgcggt caccttcggg 180

ctgttcctgg cccggaagct gtcgctcacc agggcggtgt tctacatggc gatgcagtgc 240

ctgggcgcga tatgcggggc tggggttgtc aaggggttcc agaccacgct gtaccagggc 300

aacggcggcg gcgccaactc cgtcgcgccc gggtacacca agggtgacgg gctgggcgcc 360

gagatcgtcg gcacgttcgt gctggtttac accgtcttct ccgccaccga cgccaagcgc 420

agcgccagag actcccacgt ccccattttg gcgccgcttc cgattgggtt cgcggtgttc 480

ctggtgcacc tggcgacgat ccccatcacc ggcacgggca tcaaccccgc gaggtcgctc 540

ggcgccccat catctac 557

<210> 6453
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g11b1

<400> 6453

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gagaaggaga ggatgatggt gagcgagatg atcggcaagg tgacgagcga gtgctgggac 180

aagtgcatca caggcgctcc cgggagcaag ctgagctccg gcgagaccag ctgcctgagc 240

aactgcgcga agaggttcat cgacatgagc gagatcatcg cgaaacgttt cggtgtgcac 300

tagaacaagg ccgccacatg cacgtgtgca gttgcttcct ggccttttga gctatgtgtc 360

cttcggtgtg agcggatttt ggtgtggcgt taaagatgca taggtatgtt cagtgggggt 420

ttaactgagc accgaagtat gcctgtcatt gtcgtcatcc ttgtagtaat tctcgcactc 480

tgggttgaac ttttgaccgc gcttccagga gcaagcaaga agcttggcct gttttaaca 539

<210> 6454
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g12b1

<400> 6454

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gtgtatgtca cgtattgggt catctatagt gaaatcactg gtcgatgcac tgcaccgcgg 120

tgaacggcaa aacgattggg aaacccatgt caatacccaa gtaaaacatc ttgctgtaca 180

tagctgtttt aatagctggc aggatcgcgc cgagggccgt accgaacaga cttgcaaaca 240

gaagggcaaa cgggacgcgc actgggacgc gccatgaagc gccgcattag gcgcggctac 300

tgtcatggtt acccgtacac tggccagtac actagccagc gctctattgc ctgtttcttc 360

tgctttcctc gctacgtttg tcggcacgtt cggcgaagct ctcagtcaag ggctaaattg 420

agggctccgt attagggctc g 441

<210> 6455
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113h10b1

<400> 6455

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cccctgcgac tccgtgggca cggccggcgc gcatggcggg ggggccggcg gacgccctga 120

aatcttgtcg aggatatgag cggtacgacg cctcaggcgc ggatagcaaa gctggaagcc 180

ctgttgctga acaaacaatg gcgcatgcga ggcaagttta tctgccatga gagatcttca 240

gtcacagctt ggcgcagcca ccaaagaatg tcttgccgag aaggaacaga acccgaagct 300

gaccgtggag aactgagaag gcttccagta tgcgagtact cccagtctca taccgaacaa 360

tcaaagaggc ggagtccaga tagataagcc ccctggaagc tggatcccga aaactagtcc 420

tattttggct tccagagaga ccgccatctg gcagatctgt gtatgcgc 468

<210> 6456
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114a03b1

<400> 6456

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agagaaaaga agcgcaagtt cactgagact gtggagcttc agatcggtct caaaaactac 180

gacccacaaa aggacaaacg tttcagcggc tcagtgaagc tgccccatat cccccgccca 240

aagatgaggg tgtgcatgct tggtgatgcc cagcatgtcg accaggctga gaaaatggga 300

cttgactaca tggatgttga aagtctcaag aagatgaaca agaacaagaa gcttgttaag 360

aagctagcca agaagtacca tgctttcttg gcatcagagg ccataatcaa gcagatccct 420

cgtctccttg g 431

<210> 6457
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114a08b1

<400> 6457

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gcctcgccaa gggccgcccc aaggtcctcc ggaacgtcat ccaggacatc atccagggca 120

tgaccaagac gccgacccgg aggctcgcta tgaagcgcat cttgaagctc atctacgagg 180

tgacctacga ggagacccag agcttcctca agaacttcat ccagaacgtc atccgctaca 240

ccgagaacta caccgagcag acccgcccca agatcgacac cgtcttggac ctcaagtacc 300

cgcttcagcg cctgtaccga tccctctact gatcccccgg atcatcgccg ttagctctgc 360

tgctgaccct gctgcttcct gggtttgt 388

<210> 6458
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114a12b1

<400> 6458

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ctcacaatac tttgtgctta aggtcattgg tgatggtgga aatccagatg ggcatgatga 120

tgatatgatg gtcatcacca ctaaggatgc ctcgtggttc tgaaaataag aattttatga 180

gggatatgat ttcgcttacg cgttctaagc accagactgc ttcacgggat ccttgtttat 240

gaatatacat ttggccatca agcaagcggt aggtatcgcc ttagtttttt tttgtggaaa 300

caaaactctt t 311

<210> 6459
<211> 247
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316114b01b1

<400> 6459

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tcggcacttg taaaatcgag ctgaatgcca cagttccatc gcttcttccc ttctcattat 120

tttctttcga gggatgacac aggacagtgc ttacagtcgt gtacgtaatt gggtataatt 180

ctttatgcat aataaatgaa ttattagttt gctctgcnna aaacaaaaaa aaaaaaaaaa 240

ctaaaaa 247

<210> 6460
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114b04b1

<400> 6460

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ccgggctccg ctccgctctc ggtaattgga tggcctcgcc tacgacgccg acgaagttca 180

ccggcgccca ggaggaagcc gcggcccgcc agtcgctcat cgggatctcc cagtccatcc 240

cggcggcggg agaggccctg agcgtcaagt cgccgaacgg tcgtacggaa cacgggcagg 300

acgacagcgg ggcggccgac aagtccaggt cgatgctcat gtccatcttc aaccagtcgc 360

cggaggcccg ccaatccact ccgtgcccgc acaagaatgc cgcttaggct taagcttgat 420

cttagtcctg taatagtact 440

<210> 6461
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114b10b1

<400> 6461

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gctcgagtcg acgatgatct gcatagacaa ctcggagtgg atgcggaacg gcgactactc 120

gccgtcccgc ttccaggcgc aggccgacgc cgtcaacctc atctgcggcg ccaagaccca 180

gtcgaacccg gagaatacgg tgggcgtcat gacgatggcc ggcaagggcg tgcgcgtgct 240

tgtcactccc accagcgacc tcggcaagat cctcgcctgt atgcacgggc tggaagttgg 300

agctgaagca aacttggccg cagctattca ggttgctcag ctggcgctaa agcatcgcca 360

gaataagagg caacagcaga gaattattgt tttcattgga agccctgtga catacgacaa 420

gaaggtcttg gagacaatag ggaag 445

<210> 6462
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114b11b1

<400> 6462

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tgccactccc cctccagccg ccgtcatgca gaacgaggtg cgtgacatgg tggacctcta 120

cgtccccagg aagtgctcgg ccaccaacag gatcatcacg gacaaggacc acgcctctgt 180

ccagatcaac attggtcacg ttgatgagaa tggcctctat gatggccgct tcaccacctt 240

tgctctctct gggttcgtcc gtgctcaggg tgatgctgat ggctccctgg acaggctgtg 300

gcacaagagg aaggctgaga tcaagcagct ctagatgccg ctagtagttt tacctggaac 360

ttgtgtcctt cccatgtcta cctagctctt ggatgtctgt agatgggtgc agttgctgct 420

atggaagcta agacttgatg tcac 444

<210> 6463

<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c01b1

<400> 6463

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aacactgtct ctgtggcaga agatgagctc atgcgcatct tgattctgct caggaacttc 180

ttgcctggct atcaacaggt tgttaaaggt gaatggaatg ttgcaggcat tgcccatagg 240

gcttatgatc ttgaggggaa gaccgtcgga actgtcgggg caggtcgtat tggcaggctc 300

ttacttcagc gccttaagcc cttcaactgc aacctgctct accatgacag acttcagatc 360

aacccagagc ttgagaaaga aattggggcg aaatttgaag aggacctgga tgctatgctt 420

tcaaagtgtg atgtca 436

<210> 6464
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c02b1

<400> 6464

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ggggcagcag tccgcggcgc acctcaggga gcttctccgg gcggcgtccc cgccggtgca 180

ggcggagcac caggcgctcg ccgcggagat cctccgctgc tgcgaccggg tgatcgccgc 240

ggtgagcgcg ggcgccaccg ataaaaagag gaaggcgacg gaccctggcg ccacatcctg 300

ccatcttccc ctcgccatga tgccgtccaa aaaaagggtg cgtggggcgg aagcccacag 360

agaggtccat gccgacacga cggcggacgg gttcgtgtgg aggaagtacg ggcaaaagga 420

catcaacgga agca 434

<210> 6465
<211> 435
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c03b1

<400> 6465

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cattgggaag tcagtcgcag atgataattt taagcaatgg gaagggttgc tcgagttact 120

aggttcagac attggtagtg caggtggtct tgagttcctt cacaggtacc gggatttcaa 180

gagatccctt caacaggcac tagaaggaag gactggcgag gctgctcggc agaccgtgga 240

gtttcttata cagctaatga gaaatccttc tacaccacaa cgtttctggc tgccccttct 300

acatgactcg gtgaaactac tcaactgcaa accctgccct ttactgaatg ttgctgagac 360

gaccttgttg ctcaataaac tacaagagtt gtccatggcc aagctgcgtc ctgacttctg 420

cagtaatcac ctacc 435

<210> 6466
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c09b1

<400> 6466

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cggagggaga gtactgatgt tgaggacctg tttattgccc atatctctgg gatggacacc 180

atggcccgtg gcctccgcaa tgttgccaag ctgattgagg atggttccct ggacgagctt 240

gtccgcaagc gctaccagag ctttgacact gagattggcg ccatgatcga ggctgggaag 300

ggagactttg aaacgctaga aaagaaggtc ttggagtggg gtgagccaac cgttccatcc 360

ggcaaacagg aactggctga gatgctgttc caatccgctc tgtagatgac agcccacggt 420

tctaggaata aaa 433

<210> 6467
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c10b1

<400> 6467

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accagaagca tcaaaactat gatctggaac agtatcctga ataaactatt ttctggatta 180

tgaatgaatt ctgaagcatg gggctataag tgaattatgt aacatggatt tgtaactatg 240

gtggatgtta agttaacgtt ctatcagtgc atcgtgaatg cgtgctg 287

<210> 6468
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114d02b1

<400> 6468

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<210> 6469
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114d04b1

<400> 6469

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cctccacatt catggtcgcc ttgtgccaag ccatcgacct ccgccatctt gaggagaatg 120

tcaaggatgc cgtcaagagc tgcgtgaaga tgacggccag gaagacattg agcaccacca 180

acaatgggca cctccacaat gcgcgattct gcgagaaaga cctgctgctc acgattgacc 240

gtgaggcggt gtttgcgtat gcagatgacc cttgcagcgc caactaccca ttgatgcaga 300

agatgcgtgc ggttctcgtg gagcacgcct tggccaatgg tgaggccgaa cgcgacgtgg 360

agacatccgt ctttgccaag cttgccgcgt tcgagcagga gctccgtgca gtgctaccaa 420

aggaggttga ggctgcc 437

<210> 6470

<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e01b1

<400> 6470

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ggactccggc ggctcctcgg cccgggggcc ggggagaggg ctgcgccggg gctggcggcg 180

gcgggggcgg gggcgagggc gtaccacgag cgggtggtgg accactacaa caacccgcgg 240

aacgtcgggt ctttcgacaa ggacgacccc aacgtcggca ccgggctggt cggcgcgccg 300

gcctgcggcg acgtcatgaa gcttcagatc cgtgtcgacg aaggcaccgg gaagatcgtc 360

gacgcctgct tcaagacctt cggctgcggc tctgcaatcg ccttgtcctt cgtcgctact 420

gaatgggtga agggaaagc 439

<210> 6471
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e05b1

<400> 6471

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agttcgacgc ggaccacgac ggccggatca gccgggagga gctgcagcgc gcgctgcgga 240

gcctcagcct gtggttcgcg tcctggaagg cgcgggaagg ggtgcaggcc gcggacgcca 300

accgcgacgg tgccgtcggc agggaggagg ccggccggct cttcgcctac gcgcagaggc 360

agctcggcgg caagatcacc cagctcggtt cctatggatc aaactgggca tgagttgatc 420

tgctgctgta actc 434

<210> 6472
<211> 282
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e07b1

<400> 6472

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 120

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tggggacccc taaattaaat tccctgcccg gcgtttaaca acagagggac tggaaaaacc 240

ttggggttac ccaatttaag cgctttgaga caaaacccct tt 282

<210> 6473
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e08b1

<400> 6473

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ttcttgtggc ataggtggtg tgcttgctgc gctgtggagt ttgctatatt tatatagatc 180

tctaaagatt tccatcctga caaagatact tcccaactcc tcaaaaagtt atgtgaaatt 240

tctctgcaac taacatctgc taggtcatca aatttacagg tactatggct tttgtgaatt 300

tttcgtgtca ttgcgtt 317

<210> 6474
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e12b1

<400> 6474

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aaggatgccg tcaagagcat gcttaaaatg acggacctga agacattgag cacgcaccaa 180

caatgggcac cttcacaatg cgcgattctg tgagaaagaa ctccttgtta ccattgaccc 240

cgaggcggtg tttgcgaatg cagatgaacc ttgcagggcc aactacccat tgatgcagaa 300

<210> 6475
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114f07b1

<400> 6475

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gtgtgaattg cagaatcccg cgaaccatcg agtctttgaa cgcaagttgc gcccgaggcc 120

actcggccga gggcacgcct gcctgggcgt cacgcc 156

<210> 6476
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114f12b1

<400> 6476

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agtgccttca gattatgatc gagcagcaat gcaatcctgc tgcagacaag gcgctggatg 180

cttcaacctc ggcagaagga ccaaagttat cttctgaccc cccagaatct tctaccgtga 240

aggatgttcc aaacaacagt caaaatggaa caaccgagca agcaggtgat aaggaatgaa 300

gatctaacca tgctcgcctg aagttgtgaa ccccactagc catgaatttg actggttgct 360

gccaaactag aatcaagtcg gtcttttatc tttctgggag aaaggggtga gcatttctat 420

gaacta 426

<210> 6477
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114g07b1

<400> 6477

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gccttcttcg ccctgctgct ctccacttcc ctggcaggga gacagcggcc gagcttcatt 180

gtagatcggg aggagtctct tggtcagcaa ggagaggccc aggacgaagc agctatggca 240

cagcctgtgc actcccggat gctcaaggac gtcaccacca gtgactacgg cacctacgac 300

ccaaccccgt ccatgcagaa gccccacttc aagctcatac ccaactgatc gaacaccctg 360

gctatacgtg atatgatcca tctatatatc tacgtccatg tgaatgtata tgtatatata 420

ttgatcgagg tattttaaac tagtct 446

<210> 6478
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114g09b1

<400> 6478

ggggcggccg caccgcccgc aggacccgga ccggaacccc cgggacgacc cacgcgggcg 60

accactcgac cgcgccaagg gcggggaaga aggacgagcc agggaaggac agcggaacaa 120

gagcagaacc gaagaggcgc gggacccccа gcgggggcac aagaaaggcc acccgggggg 180

c 181

<210> 6479
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114g11b1

<400> 6479

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ggctcgcttc gccgtggtcg ccgcaatcat ggccctcctc gccgttgccg ccgccgcgca 120

gggccccatg ccggcgccca ggatggcccc gctccccgca ccgccggcca gatccccggg 180

caccgtccct gcgccggtag ccaccccgcc caccgccgcg tcgccgtctc cgatggcatc 240

tccccctgcc ccgaccaccg acgcgccgac cgacgctccc tccgcgatga cgccgtccgc 300

ggtctctgcc acaccctccg gcgcccccat cggcgccccc accggcaccc ccgcgagctc 360

cgccgtgtac tcatcggccg ccagcttcgt cgcggtcgcc ggagcggtgg ccgccgccat 420

cgtgttctag atgcagc 437

<210> 6480
<211> 451
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316114h02b1

<400> 6480

actattacta attctaatac aaactatgtt catcgtgaga tagtcgatct acgtgatggc 60

tctgagtttg tgattaaagt gccttattgc tacaactcta tgtacatgga tactgaccaa 120

gctcaaaatg atttattcat gatgatgcag gtcaatgtat taaatgaatt ggtagctcca 180

gacacttgcg cacaaagcgt agaaattttg tatgaggtta ggggtggagt agacatggaa 240

tttcaagttc cagttccttt caatgttgta ccagttcaac agatagttcc tcagagtggt 300

ggagaaggcc aagctgagtt agttcttgat tcttgtattg gtagttccac tgtgcatgac 360

ccgtctaaga tgtctgctga gctttgcatt ggtgaatctt gcacttctat gttacagttg 420

atgaagaggt atctncgatt ggcaacaact a 451

<210> 6481
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h03b1

<400> 6481

ctcgctattt cgtgtatgcg tccaccttct acggcttcgg cgccggcaaa ccaatcgcgt 60

atcgagcgat tcctccaatc acgagaggcg agccggctgg aagagcacct acccagcagg 120

agacaagatg acgttcacgt taaccaacct gatcaggctc atgttcacca agatggagat 180

gcggatcctg atcgagaatg ataaccccat cctgaagacc accatcctct acaagctcaa 240

gatcagggag atctacacca ccatgctcac catgaggttc aatgctgtaa ctgcggtgta 300

caagaacatc agctctactg tgtgcaatgt catgggttac gacaagatca atgcactgtg 360

gaggcattac ttccagaaca cacaggggct catctttg 398

<210> 6482
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h04b1

<400> 6482

ggaagtgtat gatgcagcgg gagctgaggt tgttctcgat gatgatgagg atggcgaagg 60

ctggctcgca acacatgggc tgcaaggttg atttctcagt ttcagtgctg ctttgtttta 120

cactgccgac tgtatgggct gaactctttt ttgtttcttc tgttggtaat gtttagcatc 180

agagtcaaaa gaggaggagg acataccatc tatggataca ttggacatag ggaaagtcga 240

agagatcaaa tctattccct cgtactttgg tgctggtgaa aagccagatg acgaggagga 300

tatacctgat atggacacct atgaagacac aggagatcat tccacagcta cccctcagcc 360

ttcatatttt gtcgcggaag agccggatga tgacaacatt cttctgacca gaacatatga 420

tgtcagcatc ac 432

<210> 6483
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h06b1

<400> 6483

ggcggttctg tgatcccaag tggtcacgtc cccggtgatg gccggactgg atctacgctg 60

gagttgagta ttggacccga ttgtaatctt aatcatcagg atggggtcct ccttttcagt 120

ttcagggact atgatgtaat ttccttttct tttgagtcca ggtatgagct ctgtactgca 180

tccgctgata gttaatggat gctctgg 207

<210> 6484
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h09b1

<400> 6484

gcagttacag aaacttgtgt atcaagttgg agcgctctct acaaaggttg tatgcctgac 60

ccatgtagtt actgctgatg aattaaaaga tgatgaagaa tatgaggaca ttatggagga 120

catgatgttg gaagctggga aatatggtaa cttggtgaaa gacgtcatcc cgcgccctta 180

ttcgagagga gagtcagttt ctggagttgg aaaggtgctc ttagagtatg cagatgttga 240

tggttccacc aaaacaaaca cggttatgca cggaaggaaa tttggtggat acccattaga 300

tgcggtcttc taccccgaga acaagtttgc tgatgaggac tatgactcgg aaccataaat 360

ttatttctat tccaatgaca atgtgttttg tgtagattgt tccatt 406

<210> 6485
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h10b1

<400> 6485

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ggaatttctg ataatgatgc tgggagcgcg gagtctgtcg aaaagttaga tctgctgaaa 120

gatacaaaag tttctctctc tgccaaccat ctgcagaagt tacgtctatc ttttcaacta 180

tctacaccac ttggacgcac atttaaaccc caccaggttt tcttgaagtt aaagcatgaa 240

agcaaggttg aacacttatt tgtggtgcca ggttctgcga ggcaattcaa aattgttcta 300

gattttcttg gattggtaga gaaatttttac tacctttctg gaacatatga cctcgagctt 360

tcagttggtg atgcttcaat ggaaaattcg ttcctacgag ttcttggcca actggagttg 420

gacttgccgg 430

<210> 6486
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a01b1

<400> 6486

aaaattttta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 95

<210> 6487
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a03b1

<400> 6487

cccacttttc cgctcctcgc tgaactcttc ctcgtctcat cccaatgctt ccaagatgtc 60

ggtggattcc tctacatcgt cgactccatc aagcaagact catctgatgt tgccaacgac 120

atcatcggtg ccatcattgc cggtatcatg gccaagaaag ccatctcaga ctgcggacca 180

atcccagcca tcatcaacga aatgatccac ggttagattt gattagtatg ttcttcatat 240

tgtatcaaat acccctcgaa ccctatatct aaaatataag tattgaggaa ggccttttat 300

aatgacatca aaaatcaatt actggaaaac gtttacaaaa ccaaaaaata ggaaaacg 358

<210> 6488
<211> 456
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316115a06b1

<400> 6488

gccgttattc cttccttata gagacagcgt gtaggcgccg ggcgagcagg ccaccaccgc 60

aaccctagcc agcccaacta ccggcgtcgg ctggagagga ctagctgctg ctcgagagag 120

agagagagag agagatgtca tcgggacggt acatggccta ctcgccctcc ccgtccacca 180

cgccgcactc cccgcgcatc tccggcctcc gcgcctnctn cgccggcgtc gacgaccagg 240

agaagtacct tgcggagctg ctcgcggagc gccacaagct caacccgttc gtcccagtgc 300

tcccccatag catacggctg ctgaatcaag aaattttacg tgtttccaca ctattggaga 360

acgccctcct tttaaaccaa aagggctttg aacatggtag tccactaaca tcgggaggat 420

tatattcaaa tggagcagca actgatatga atgggt 456

<210> 6489
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a07b1

<400> 6489

ggctttcagt gcacctgaac cactagctac ctagctagct acatcggcaa gtcggcagag 60

ctcgtgatca atgggggtca agctcacgct cccgccggcg gcactgatct cccaggtggc 120

caagctgagc tccctcctcg ccctcctcct cctcgcgctg ctgctgcccg tcttcctcag 180

ggtcgcctac ggctacctcc tcttcaacgg catcgtcctc gcgctcggca tccaggcctt 240

cgtcggcggc ggcggcgctt ccatcgccga cgacgaagac cggcacgggt ctccgagtgc 300

cggtcaggcc gtcgaggcct cgccgttcca gagggctgga gctgaatcag tccgtcccga 360

cgaacgggcg gcggttctgg gtgatc 386

<210> 6490
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a10b1

<400> 6490

gcgtttattc gtgcgattta tacagcggtt atgttcatta aaaaagcaac cgatgatgct 60

gatggatgac cctgatgaga tcgtgtacga acaacatgga gaaaaaatgg cccttctggg 120

ccatgggcgg tctgtt 136

<210> 6491
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a11b1

<400> 6491

ttcatatgcc aattctgcac ctgccggggt tccatacttt acaaccattg ccccgtcact 60

tgttgggtca acgggtgcat tacctcccca acatgtgagg caatatgcaa taaaccgtcc 120

tgaaggtagc agtagtgatg gtctggacgg taattggaaa tggaaaagac caagagggtt 180

tgatcttaat tctggtcccg cgagtataga tttagaaggg aaggatgaaa gaatactttc 240

atcggttaga caaaatttga tgacgccaca gcaggccttt gtggaggagc aaacgagaat 300

gtaccaattg cctggtgtag gaataaagag gaaggaaccc gagggcagtt gggatcccga 360

cagatcatca tacaagcaat tgtcatggca gtaagaactt tggcgagacc tcgcatcgac 420

ttcttttgtc tgaggcaact gcatgtggaa gt 452

<210> 6492
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115b04b1

<400> 6492

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gattgcgccc gctgccaccg caagatcgag agggtgctcg acaggatcag agagaagggc 180

gagttcgtga tcgacgacat cgagtacgat gagaagaaca acaaggtgat cgtgaagggc 240

cccttcgacg cggacaagct ctccgacaag ctctgctgca aggcctgcaa gatcatcaag 300

gagatcgaga tcgtggagcc gccgccgccg ccgccgccgg aggagcccaa gaaggaggtg 360

cccgcgcccc cgccgccgga gccggaggtc gtggtgccgc cgccgccagc ggtcgtggag 420

gagcccaagt gccccgagcc ggcaccggag ccgtccaagg aggagcc 467

<210> 6493
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115b08b1

<400> 6493

ctatgtgtgg gctctgtggt tgatgctaat tcgtgggagt ttgttttcaa caacgcatct 60

gaggcaccaa aatggctaaa agataactca tagttatcct taaaagaaaa atatcgatct 120

gatagaagca cgtgggtggc attatatcct gtccctttct tgttctctgg aagtttgaag 180

tttcctgcac agactgaaga gattagaaag caccaccagc attttcccca gctagttgtt 240

cagaagacat caagtaacaa ttggaaccga cggatgcatc tacagctctc acttggttca 300

ttatcagagg tttggaccac ttcgctcaat attactggtc cattatcgaa ttggtctttt 360

gctgacaaca cacttccagc tccttaaact gttagcggcg gaccaccatc atatatctgc 420

cgacttactg gacaaagtaa tgag 444

<210> 6494
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c01b1

<400> 6494

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atggccccga agcgaggcgg caaggcaccg gtgccggcga agaagaaggc ggcggacaag 120

gtggtgaacc cggtgttcga gaagaggccg aagcagatcg gcatcggcgg ggcgctgccg 180

cccaagatgg acctccaccg ggtcgtcaag tggcccaagg tcttgcggat ccagcgccag 240

cgccagatcc ttaagcagcg cctcaaggtt cccctggcgc ttcaccagtt tatccgcacc 300

ctcgacaaga acctcgacac caacctgttt aagatgcttc ttaagatcct gcccgaggac 360

aaggtggctt acaaggag 378

<210> 6495
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c04b1

<400> 6495

agatatttca ccggccggca gcacacggca agaaaaggac ggcgagcgcc aaggagatca 60

ccgagactcg acgcaccatg ccgtgcatcc cggcgtccag ccccagcatc cagcaccaca 120

accacaacca ccaccaccga gtcctagcgg gcgttggcgt cggcatgggg tgcggcgcgg 180

aggcggtcgt ggccgcggcc gggacggcag ggatgaggtg cagggagcac gactgcgagg 240

tcccggcgga ggtggcgcgg caccacgagc acgcggagcc ggggtccggc cagtgctgct 300

ccgcggtggt gcagcacgtg gcggcgcccg cggcggcggt gtggtccgtg gtgcgccggt 360

tcgaccagcc gcaggcgtac aagcggttcg tgcgcagctg cgccctggtg gccggcgacg 420

gcggcgtggg cacgctccgc gaggtgcacg tcgt 454

<210> 6496
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c05b1

<400> 6496

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aggatctgaa gcgtgggttt gtggcatcca actccaagga tgaccctgcc aaggaggcag 120

ccaacttcac ctcccaggtc atcatcgtga accaccctgg tcagatcggc atcggctatg 180

ccccagtgct agactgtcac acctcgcaca ttgctgtcaa gtttgctgag ctggtgacca 240

atatcgacag gcgatctggt aaggagctgg aggccctgcc caagatcctc aagaatggag 300

atgctggtat agtgaatatg attaccacca agccgatggt tgcggagacc cttgctactt 360

accct 365

<210> 6497
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c06b1

<400> 6497

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tggtgtaacc caggtgagac tctgtacaga cagctgtgga atggacggcc cgttatatga 120

atggttggtc tgtttatgtg tccatgacga aagaagaact tgattgc 167

<210> 6498
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c07b1

<400> 6498

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ggacattttg ttacagagtg ctacacgaaa gattaacgga taaggccctg aacgcttgct 180

ggataaacaa cagcaccgtg aatccatcca gactgatgat aaagaagaac agggagtgca 240

tgtacaagaa ggaaaataac atcttcatgc ctctaggcct aaacttggca ccggcctatg 300

atttacaact tcacgactgg gaaaacactg aggttgacga acataatcgc cttgaataca 360

aatccttttc gccaac 376

<210> 6499
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c09b1

<400> 6499

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cctctgtgcg gcagcggtgg ccgagcggag accgcgatgc ctctgccgca ctacggcggc 120

atcctctacg tcggcaccca agacggccga cgcccaggcc tcgcgcggga ggcgctgctg 180

cgaaggcacg gcggccccgg cggccggttc cgaaggcccg cgagacgggg aaaactctct 240

ggatcgaaaa tgctttttct ggttctggaa tcatctgtca tcatttaatc gatctaggaa 300

cttgtggtca cgatttcttt tctttagact actcgaaaaa tctagagcct agatcgctct 360

gacaccattg ttaagaacat gggatcgact aggctaggat ttcggagtag aatgaactat 420

ctatgaact 429

<210> 6500
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c12b1

<400> 6500

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tcttccgccg ggagtggggc cgcaactggc ccttcatcgc cggcttcgcc gtcacggggg 180

ccctcatcac caagatgacc gccggcttca ccgaggagga cctcaagaac tccaagttcg 240

tccaggcgca caagaagaag tagtcaccgc cgccaggtca caggggcagc agctgagtta 300

ccggcatgtg tccttgatgc ggcgagccag tcctcaccct cactattgtg attgaacttt 360

atgtttttg ttcaaatcca actgcgtgca tttttgctgc tctgttttgt aatgaataag 420

cgacatttg 429

<210> 6501
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115d01b1

<400> 6501

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tagagcttaa gtctgtcaag cttaatctgg atcatggaat cgtatgttta ttggatacaa 120

agttgcacta tcaattttgc cttgtctgtt gggctgacct gcatcaaaaa ataaaaaaaa 180

ataaaaaaat aaataaacca aa 202

<210> 6502
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115d06b1

<400> 6502

acacggatta ttctagtgag ctgacagctg agatgaccaa ggtttacgtc ccagtgcgtg 60

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cgtcgagagt ggaagctccg tggagaatcc gaccaaaata gtgttggttt ccatccgcct 180

gtggtgtgct ggcctagtag acaagaggac cgagcctatc gtcattacga gcagactcgc 240

agccttgatg gagaaagggg agcgctctg 269

<210> 6503

<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115d09b1

<400> 6503

tcatgtttgc ggatccggag cgtgagtgca cgggggttaa gttaaaagcg aaggtcctgg 60

tgcatgaaac agatgagatc gtgtaagttc aacctcaaaa aacaattcga ctgccatggc 120

atagatcctc tgtgaaag 138

<210> 6504
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115e03b1

<400> 6504

ctcgttttca tcaaacacgc aagccgtctg cccccgcacg gaaagtgatc cgtcggaggc 60

gacgcaatcg tcggcgagct aaaacgacat cattcacatc tcagtctggg gttgcgaatt 120

cctttgggtt ccgtagtaga cgccttagca ctaagcgtta ccggaatatg ctttggaact 180

cgatatatat atg 193

<210> 6505
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f02b1

<400> 6505

cacattttta gtgagagctt tgcgctgaaa gttcatcagc aactatgaag ggcaccaagc 60

tcgcggcgat cctgatcctc caggccgtcc tggtcatggg agtcctctcg cacgtcaacg 120

ccgacttctt ccccaagtgc tgcaacaact gcaggtcctt ctcgggggtc gacgtctgcg 180

acgacgccca ccccaagtgt cccaagggct gctcggcgtg ccgcgtggtg tctacgagcc 240

ccgaaatgtg gcgctgcgcg gatatgaaat ccaccgtcga cggcacctgc ggtggaccct 300

gcaagaagta ctgatcggtt catgccggca tatgatatgt tccgcctaaa attaaataaa 360

aagctcggac gagatgagca gcgtaatcgt gcctatgcgt gt 402

<210> 6506
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f04b1

<400> 6506

ggaagctatg tcgtcctcct aagaagtggg taattctata ggtcttctct taattttcat 60

ataggttttg cagtagttgc aaataggctg gaacttggaa ctggttatat acatgtatgt 120

ccatccagct ggtgaacctc ttatggaaaa cttaatttta ttcctagttg aacttgttag 180

ttaaatgctg ttcatatgac tggctggttg tcaaattgtt tgtgtatttc ttgattccgt 240

tccttgtgat tggtgaatgt atgaactggt gctctctaaa aaaaaaaaaa acatagaaaa 300

aatttaaaaa aattaaaaat ataaaaaca 329

<210> 6507
<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f06b1

<400> 6507

gccacgtgct cggatacgca tcgggagatg cctatggtgc aggaacgagc gcagat 56

<210> 6508
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f07b1

<400> 6508

tttattcatg tggaaatgtg atgtacagtg ctcgggagca gcatatcgcg gacagacgag 60

ctgtctacac cttgacattg ctcaagtgga aactaaaaaa aattaactga tcaacagaat 120

cacaacgtct tggctgagga aaccatggcg aaacccaact taattgccat gcacaacatc 180

gctctttaac aaggtggcg 199

<210> 6509
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f08b1

<400> 6509

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gtacatacgc tttaccacag acttcgtagg actggagagg gccgcaccga tcgtcatatg 180

aaacgcgtga gcagactcaa tggtgaatgg gacgcgacct gttgccgttg attaagaagg 240

tatg 244

<210> 6510
<211> 424
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316115f10b1

<400> 6510

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cgccggcgac gcgcaggagt tctgctacgt cgggagccgg cagctcgagg tcgccggcgg 120

ggcgttcctg atggaactgc tggaggacac gccggcgccc gccgaccagg caccggaggc 180

cgccgacgac cggctgaggc gcgtcatgcg gtccctcgag gccgagctcg gcgtcgcggc 240

ggtgccggca ccctctgcgg cggaggacgg cgggagcacg gcggacgggc cgatgagcga 300

ctacgacgac ggggagctgg aggagatgct gtcggagttg ggcggtagcc tgggggccga 360

ggcgccgtcg ttggccgccg tgctgccgtt cgagtactgg gaggaggtgc cgnccgtgat 420

gggc 424

<210> 6511
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f11b1

<400> 6511

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gctaacagtg gcacagcctg aatgggaaat gg 92

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<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f12b1

<400> 6512

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<210> 6513
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g04b1

<400> 6513

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aggcggcgcg caagtcggcc ccggccaccg gcggcgtgaa gaagccgcac cgcttccgcc 180

ccggcaccgt cgcgctccgg gagatccgca agtaccagaa gagcaccgag ctgctcatcc 240

gcaagctgcc cttccagcgc ctggtgcggg agatcgcgca ggacttcaag accgacctcc 300

gcttccagag ctccgccgtg tccgcgctcc aggaggccgc cgaggcctac ctcgtggggc 360

tgttcgagga caccaaccta tgcgccatcc acgccaagcg cgttaccatc atgcccaagg 420

acattcagc 429

<210> 6514
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g05b1

<400> 6514

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gtacaaccct tgcagactct tacgttgctg gagatttcgc caaattctgt aaaaaaaaaa 120

aaaaaaccac aaacataact taat 144

<210> 6515
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g08b1

<400> 6515

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tggcgtcgcg gccgacgctg aagccgaagc cgaagggcac gggtgggaag aggggctcgt 120

ccgcggccga ggacgagcag tccacggcgg cggtggctga gcaactcgcc aaggagtgga 180

gcacgtggac gatgaaaact gccaaagtgg cggcgcactg gggcttcatc caggtcatta 240

tcgtccgtcg catgaataaa ggagaccagc ccaaacctag cttggttcag cttctgttcc 300

ccgtatgatc ccattcccgg ggagccctag aatggatcca tccagcttct tttaggtact 360

acctagagat ggtt 374

<210> 6516
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g09b1

<400> 6516

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catctgtttt ctgtaaccgt tgttggtagt gacgctgtgg ataaaatata agtataacta 120

cacttccata taaaaaaaaa aaaaaaatga tataaaacaa caaaaataga ataaatataa 180

aaaataatat aag 193

<210> 6517
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g12b1

<400> 6517

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gacgatctga tcgagtagag agaggatgat gagtctgtct gtcttatcaa tcaatacttt 180

gagagccaga gactgtgcga gtcggtttta ggttgaaggc ttgatttgga gtagtcaagc 240

cggatgtttt tcctgtctgc cttgccttgt ctggtgggct gcaaactgtt tgtgtgacat 300

tgatctacat gatgttgctt gccatggatt tgttgttggc caccttgatg gttcatcagt 360

attattatgc ctgttggctc aaaaaaaaaa aaaaaaaaat at 402

<210> 6518
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h02b1

<400> 6518

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atggcggtgc cgcttctgac gaagaagatc gtgaagaaga gggtcaagca cttcaagagg 120

gcccatagcg accgctacat tggccttaag caaagctggc gcaggccaaa gggtattgat 180

tcccgtgtca ggagaaagct caagggatgc accttgatgc ccaacattgg ctacggatct 240

gacaagaaga ccaggcacta ccttgccaac aagttgaaga agcttgttga ccacaatgtg 300

tctgagcttg agctgcttat gatgcacaac aggacctact gtgcggagat cggccacaa 359

<210> 6519
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h06b1

<400> 6519

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atttagagca ttgactcttc tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aataaataaa aaaaggcgaa aaaaaaaaaa aaaaaaaaaa tgaaaaa 167

<210> 6520
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h07b1

<400> 6520

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agatcgcga 69

<210> 6521
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h09b1

<400> 6521

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gcgtctgacc gcctccggga catcaaggcc ttcgaggaca ccaaggccgg cgtgaaagga 120

ctcgtcgatg caggattgac caccatcccg gcaatcttcc gccacctgcc agacacgata 180

ccggtcgacg cgtcgcgctt ggccatccca gtcatcgacc tcgcccgcat cacgtcccat 240

cgagccgagc tggtggccga gctgaaa 267

<210> 6522
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h11b1

<400> 6522

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aagggcccaa cagcttgatc agaagctccg gattgtcaag ctcacaactt atggttcgga 180

aatgctttcc gttcgtgaga actttgacga ttagcaaatg cagcaatctt gtccgctggc 240

caacaaagga gctcgggtgc ttggatggcc tccgctatct atgtatccaa aattgtgaaa 300

acctgggggg gaacacttca tcgcctgagg aggaaaccct tccactgtac ctagaggtat 360

taaagatttc agagtgccgc agcgtggtgg cac 393

<210> 6523
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h12b1

<400> 6523

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 180

aaggggggggg cactattgaa gggacaaatt tattctcccg gggcaggaaa aaaaaatggt 240

ttttaaaggg gcaaaaaaaa aaaaataaat gggccgacat taaaaataag ctagacgggga 300

aaaaccgtgg tacaacaaaa ttaatgggta taggaagaaa aatccctttt tcaaacgggg 360

gaaaaaaaaa aaaaggttag aacgatggcg tattaaaaaa agaggcccaa cctaaaggga 420

aaaggg 426

<210> 6524
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116a04b1

<400> 6524

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ctgagtagaa aatagaagtc gctattttgc tgcttcatat ctagaagatg atatatgtgc 120

cacctgggtg tcgtgaactt tgtagtcagt tttgatggct gatttcttga gtacttctgt 180

cgacattcct agccagcgtt cagttatctt attttgttcg tgttactttc tggatggagg 240

ttatgagttt aaaactaaat atttagttta ttcctgccgt gtgtgtttta tgtttgaatg 300

gaacttatgc tctgttgttt tgctagctgt atctcagtac caacttttg ttcgcgtgcc 360

ccacaaattt tcaatctttt 380

<210> 6525
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116a06b1

<400> 6525

cgggaacagg aagaagaccg atcgcctttg cgaacagatg ctcaagctga actggatagg 60

<210> 6526
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116a11b1

<400> 6526

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ggcaggagag gaaagactgt tggtgtctcc aagaagcgat aagctgcttc acaaagatcc 120

cgcatagctt tgctactact gtgttggtcc atttccacaa tcttaaggag tgttcttgtt 180

tagacgatta ccttggatga tgttttgccc tagataatgt tttggttctg gaacctttaa 240

tatattgtat cttgaattcc ttgttgaact cttgagagtt tgttttgcca tgggcttaga 300

gtc 303

<210> 6527
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116b05b1

<400> 6527

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cgcgcccagg gcgaggcggc tgcaatgacg aggtcgctat cggcgtcgac gaagacggcg 120

gcgaggaagg acaggacggt ggaagagcgg gggagcaggc tgaggaacaa gtgaagcgta 180

gtaacttgca aggagcttag aattgatggc catggatgag ctcccgagga gcgcgcatgg 240

ccaacttctt gcttctgatc ccttcccaat ttgttggcat gcatacctgt gattcttgat 300

catttttctt actcgtattg gtttcagtgc atcccatttt tttggtggga gatgtggggg 360

gcgtcatggt tgagagaggg gtacattttt gtaattaaat taatggatgg cggtaaaaaa 420

cagtagccca actctgaccg gataatag 448

<210> 6528
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116b11b1

<400> 6528

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cgctcaactg gggcgcggcg gcggccgagc tcaccggcag ccacctcgac gaggtgaagc 180

ggatggtggc acatatccgc gagcccgtgg tgaagatcga gggcgccagc ctccgcgtcg 240

gccaggtggc ggccgtggcc caggccaagg acgcgtcggg catctccgtg gagctcgacg 300

aggaggcgcg gccccgcgtc aaggccagca gcgagtggat cctcagctgc ctcgccggcg 360

gcagcgacat ctacggcgtc accaccggct tcggcggcac ctcccaccgt cgcaccaagg 420

acgggcccgc cctccaggtg gagctactca ggcatctgaa cgctggaatc cttggccccg 480

gcgccgatgg ccactcgctg tcggcggagg tgtcccgtgc ggtcatgc 528

<210> 6529
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116b12b1

<400> 6529

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ccatgacgct taagtgcagg aacgtaggtc gcatcaagca tggcctaggt caaattaagt 120

acatgcgttg ttacaactgc gccactggct gaaccaagga caaggctatc aagcgtttct 180

tggagaagat catcgtggag caagctgctg tgatagatga gaaggacgct cgtgtccatg 240

atggatatgt ccttacaaag ctgaacggcc aagggcaccc actgtgttct tgtgccatac 300

atgctcacat tgtgcgggtt cggtccagtg agaacagtac gcaccgcaag cccctagagc 360

gatataggtg cattgacgac cgtctctatg ctctggacag ggtggcccta tccgtgctag 420

tggccataga ggccccttgt 439

<210> 6530
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116c06b1

<400> 6530

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cagtcaagtg tgcgtgccca ctccccctctc tctgtcgcgc cacatgccgt tacagttgat 180

acattctatt ctacagtaat aatgatcgtg aatgatacg 219

<210> 6531
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116c11b1

<400> 6531

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ctgtgattgg actctgaatg caaaaacctt ttaaacaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa agaaaaaaaa tataaagg 208

<210> 6532
<211> 562
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116d05b1

<400> 6532

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ccatggtgaa gtactcgagg gatccgtcca acccgaccaa gtcggccaag gcctgtggca 120

aggatctcag ggtccacttc aagaacacac gcgagacagc gtttgctctt cgcaggatgc 180

ctttgggcaa ggctaagagg taccttgagg atgttctcgc ccacaagcaa gcgattccct 240

tccggagata ctgcagaggt gtgggtcgta ctgcgcaagt aaagaaccgc cagccaaatg 300

ggcagggtcg ctggcctgca aagtcggccc agttcgtgtt ggatttgctg aagaatgctg 360

agagtaacgc tgaggttaaa ggcttggacg tcgacaacct ctacatttca cacatccagg 420

tgaaccaagc ccaaaagcag aggcgccgta cataccgtgc tcacggacgc atcaatcctt 480

acatgtccaa cccctgccac attgagctga tcttgtcaga gaaggaagag cctgtgaaga 540

aggaggctga taacgtcgtc gc 562

<210> 6533
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116d09b1

<400> 6533

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cccacacgta ccgaccggaa aaaccttgca gcacaccaac ttaatggcag tggacgacat 120

accgatgagg ccagctccca tcagtaccta acaggaccgg accaatcgga atggccaacg 180

gtacgccacc cggaacggcg aatgaa 206

<210> 6534
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116d12b1

<400> 6534

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ctttattgag tgttgcctta cagtcaaggg tctgactgag aagttcaagg agaaggacac 120

agcttattcc gggtctgcaa ctttcagtta cgaggcattc atgttgactg tgctcccttt 180

catcatcgca tgatgactcc gcagttcaat acaaagactg agctttgagt gtgttgttcc 240

atgtgtcgaa acgtttttcc atcggaggtg tagtttgtct gaattcgagt gatgttgctg 300

cgttcctgat aaggtgatac cctggagatt ggaaactgcc tatggatggt ttggaactct 360

g 361

<210> 6535
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e02b1

<400> 6535

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 92

<210> 6536
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e04b1

<400> 6536

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gtcgggtcga cgcccagtcc caagtgtcgg tcagcagaga gcgagagacg cagtgccagt 120

gtgccactct agataatgta tgcttctttt ctcgacaaga catgcttcat tatttctaaa 180

aaaaaaaaaa aaataaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat 240

aaa 243

<210> 6537
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e06b1

<400> 6537

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cacacgggag gtgatgattt ctgtttttgg cggcgattga ttctgctgcc gtcgcaattt 180

gtgcaaaagg ccttgcattg catgcccagc tagtgggagt ggtgcaagga acagatctga 240

ataagtgtga gcggttggcg atgcttgtgt tcatcgatcg accgtgaata tatttgttgg 300

taccactggc ttacatattc tgtgattctt aagaggcgaa gccgagagca gaaagctcat 360

tcatcttggc tgttcatcgg ctcatttggt tgtctggctg ggctgctgta ttggaactgc 420

tgattgtgta actgcagaag ctgttgcttc tttaccgatg ccggtgttct gttggacata 480

ctcggtggta cagtaagact tattattgaa atcatctttt ttttactgaa atctggataa 540

gtactacctt ctgt 554

<210> 6538
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e08b1

<400> 6538

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atgagatatg atgctctgtt ttgttttgaa atgctctgct tcttgcgtgt gatcttcgca 180

gaggcgttgc tgcaactttt gccgcaccgc gtacaggcct atcggttcag aaattgcaac 240

accgcctgtt cagagacaag aaaagaggaa attgctgcac tggctttctg cgcaataatg 300

taaaggatac ctgaaaatgt ttgtattcga gcaataatgc aggcatatgc caatttatca 360

tcatggac 368

<210> 6539
<211> 574
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e10b1

<400> 6539

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gcttcaggtc gctcgacttc ggcgagcgca acgggtacct caagggcgtc gtcacc gatg 180

tcatccacga cccggggcgt ggtgcgccgc tggccaaggt gaccttccgc cacccc ttca 240

ggtacaagca ccagaaggag ctcttcgtcg ccgccgaggg tatgtacacc ggccac ttcg 300

tctactgcgg acgccgcgcc accctctccg ttggtaacgt cctcccgctc cgctcc gtgc 360

ctgagggagg cgtcatctgc aacgtcgagc accacgtcgg cgaccgtggt gtcttcgcca 420

gggcctccgg tgactacgcc atcgtcatca gccacaaccc tgacaacggc acctcaagga 480

tcaagctccc ctctggtgcc aagaagattg tcccaagcag ctgccgtgcc atgattgtca 540

ggttgctggt ggggcaggac tgagaagcca tgct 574

<210> 6540
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e11b1

<400> 6540

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agggcaccag cgctgggggg gggagcccac gacagatgca gaactgatcg acaacatgac 180

ctccaaggag ggacagctga gcagtgacgg gtgcctgtcg ggtactaaag aagaactggc 240

ccttggagtg tgagacctta aagaggtttt tgattcatta ggcctaaata tggtactgtt 300

tgtcccttta ctacgtagca accggaaaat ctatgtagta tttaattgtt ttaatagtat 360

tatattttgt ttttgaaatt atttatatac gtcaaatgtt ctcat 405

<210> 6541
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e12b1

<400> 6541

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acctgttcca ccacaaggag ggcgaggact tccagcccgc cgctgacggc ggcgtcgaca 180

cgtacgggta ctcgaccgag acggtggtga ccgccaccgg caacgacggc gagtacgagc 240

ggatcaccaa ggaggagaag caccacaagc acaaggagca cctcggcgag atgggcgcag 300

ccgcggccgg agccttcgcc ctctacgaga agcacgaggc gaagaaggac ccggagcacg 360

cgcacaagca caagatcgag gaggaggtgg ctgccgccgc agccgtcggc gccggcggct 420

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gcgagaagaa gcaccaccac ttcggctagg tcgccgtcga cg 522

<210> 6542
<211> 550
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316116f04b1

<400> 6542

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ggtcaacgag atctccatgg ccaactcccg gcagaacatc cggaagctgg tgaaggatgg 180

tttcatcatc aggaagcctc agaagatcca ctccaggtct cgtgcaagga gggcacatga 240

ggctaagcag aagggccgtc actctggata tggtaagcgt aggggtacca gggaggctag 300

gctccccacc aagatcctgt ggatgcggag gatgcgcgtc ctcaggcgcc ttctgcgcaa 360

gtaccgtgag gccaagaaga tcgacaagca catgtaccat gacatgtacc tgaaggtcaa 420

gggtaacatg ttcaagaaca agagggtcct catggagagt atccacangt ccaaggctga 480

gaaggcaaga gagaagaccc tctctgacca gttcgaggcc aagcgcgcca agagcaaggc 540

atgcagggag 550

<210> 6543
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116f06b1

<400> 6543

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tcgccgcggc cgtggtggcc gtggccgtgg cggcggcggg ggcggacgtg gcggcggacg 120

tggcggcgga ccgggcggag tgctcggaca agctggtggc gctggcgacg tgcctgacgt 180

tcgtacaggg gcaggggcag gcgccgacgc cggactgctg cgggggggctg aagacggtgc 240

tgcagaccag ccccaagtgc ctgtgcgtgc tcgtcaagga ccgcgacgac cccggtctgg 300

acttgaagct caacgtcacc agggcgctcg gcctccccgc cgcctgcggc gcgcccgcca 360

acatctccga ctgcccaagg ctactgaacc tgccgcccaa ttccaaggac gcggaggtct 420

tcgagcagtt tgccaagcag caggcagccc agagcagccc aagtggcgcg tcgagtgcgc 480

cgagcacggg cgcacagaaa aacg 504

<210> 6544
<211> 474
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316116f10b1

<400> 6544

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ggcagcccac cgcggcgcgg aaggagccct ccagcaaggg agaacagcga ggagcgcagg 180

gccaagattg agcagtggaa ccgtgagcgg gatgagaaga agtgatgaac cgcgggtagt 240

tttactgcaa gcattattta ccttttcatt catgtgtcgt tagtttgctc ctatgttggt 300

ttgctgtcag acattagtgt gtgggtcgat atagtactat tgcttggttg agtggcctgt 360

caagtgcagg attctattag aggcgtacaa gctgctattt gtgctcaata ttattgccgg 420

acctgttctt gtattatctg aaaagtttac cgtgttctgc taaaaaaaaa naaa 474

<210> 6545
<211> 544
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116f12b1

<400> 6545

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aggatcgtcg gagatgtcgg acaccgatga gcaccacttc gagtccaagg ccgactccgg 120

cgcctccaag acctacccgc agcaggctgg cgccatccgc aagggtggac acatcgtcat 180

caaggcccgt ccctgcaagg ttgttgaggt ctccacctcc aagactggga agcatggtca 240

cgcaaagtgt cactttgttg ccattgacat ctttaatgga aagaagcttg aggatatcgt 300

tccttcatcc cacaactgtg acgtccccca tgttgaccgc caagattatc agctgattga 360

cataactgat gatggatatg tcagccttct cactgagagt ggtaacacta aggatgacct 420

gaagcttccc actgatgatg ttctgcttgg ccagatcaag actggatttg ctgatggcaa 480

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aatc 544

<210> 6546
<211> 540
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316116g08b1

<400> 6546

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taaaggcgat caaggccaag gagtccggcg agtccgtggc ggagtacgac tacctgccct 180

acttctactc gaggtcgttc gacgtcgcgt ggcagttcta cggcgacaac gttggcgaga 240

cggtgctgtt cggggacaac gacccagcgg cgcctaagcc caagttcggc acctactggg 300

tcaaggacgg caaggtcatc ggtgtgttcc tagagggtgg ctccgccgac gagaatcagg 360

ccatcgccaa ggtcgccagg gcccagccgc cggtggccga cgtggaggcg ctcggcaagg 420

aaggccttga tttcgccacc aagatctgaa gattcctctt atctattcta cgcgtgtaaa 480

ttntgtgttt ggccctcccc tgccgatgct tcctagttcc tagttcagaa gtgtgattcg 540

<210> 6547
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116g09b1

<400> 6547

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tgccacatac agtatacacc aagagaggtt tggtgcaagg atgtgcattg gggacattcc 120

gaagcatcag tcctgtacgt ggctctcaca cccgtcgaag acccaagacg gcgcgagctg 180

agccatctca cagcaagtaa atgaaccatt atacaatagt tgtttccccc gttgttgttg 240

tatcgtactg cgactgccat ctactcaaaa taataatcgt agcccatctc agatacactt 300

ctgtacgggc cgcgattagt ccattggatt gttgaaatgg atgtttaagg ggccacagtt 360

ccctgctaat aaattatatg agttcatgtc agccaaccct gttagacaac gctgcctatg 420

tatgtttgct actctgctgc tgctgtatta gtcctgtaat gtttggcctt catagccccc 480

tctaggaagc aattgccagc cgccagaaag tgtgtttctc ttc 523

<210> 6548
<211> 568
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116g12b1

<400> 6548

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gtcttccgag ccccaacggg gaatcaaccg tcgactgcca ccagatctca gagatgcctg 180

atcttgcttt caccatagca aacaagactt tcaccttgac gccagagcag tacgtagtga 240

agctggagca atcaggccag gccatttgca tcagtgggtt catggcgttc gacgtgccgc 300

cccctcgtgg cccgctctgg atacttggag acgtcttcat gggcgcctat cacaccgttt 360

tcgacttcgg cgagagcagg attgggttcg ccaaatccgc atgaggactt ggtgtatcag 420

ggctcagggc cggtattgta catactgcaa gcacgtgcaa gttgcaaggg caacaataaa 480

cttatacgga gtattagtag aaaggaacaa atgaacttgc caccagcatt tgtatagcta 540

tttgctatgt atggcttgat atggagct 568

<210> 6549
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116h05b1

<400> 6549

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gaaggtgtac cctgatctga cggagcaggg cagtgccgcc gcccaggtcg ccgccgtggt 180

cgtcctcggc gtggcgcctg agaacaaggc aggtcagttc gaggtggccg ccggccagtc 240

cggcgagggc tgcagctgcg gcgacaactg caagtgcaac ccctgcaact gttaagctgc 300

atgcactcgt accgtcgtac gtacgtgtga tggtgtgaga gtatacgtga ataacgagcg 360

tctgatctga tggagtcgag caagggtgcg tgtgcatgtg cgtgtggttt acttcgctcg 420

ctctccgcct atgctctgcc cttggtgtcc ttgtgtgtat gtgtgtgcat gtgtccctgt 480

aattgcttca tctatctcca ctatggatgg agtgatgaat atgtaagaat gaatgattta 540

cctaattaac tactcct 557

<210> 6550
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117a10b1

<400> 6550

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gtcgtggaac gtcaccaggt gcgtggcggc gctggaggaa gccggcgtcg agtacgagct 120

cgtccccatc aacttcggca ccggcgagca caagggcccc gaccacctcg ccaggaaccc 180

ctttggccag gtgccagctt tgcaggatgg tgacttgtac gtgtacgaat cacgtgctat 240

ttgcaagtat gcgtgccgca agagcaagcc agagctgttg aaggagggcg acatcaagga 300

gtcagctatg gtggatgtgt ggctcgaggt ggaggcccat cagtacaccg ccgcgctgag 360

ccccattctc ttcgagtgcc ttatccatcc tatgcttggg ggagccactg accagacggt 420

catcgatgct aacctatgta agatcaagaa cgtgctggct gtgtacgagg cgcacctgag 480

<210> 6551
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117a11b1

<400> 6551

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atttccagga ctaccacggc ctcccggagt tcagacaggc gatggcccag ttcatggggc 120

aggtgagggg gtggaaggcc aggtttgacc cggatcgcgt cgtgatgagc ggcggcgcca 180

ccggcgcgca ggagacgctc gccttctgcc ttgccaaccc cggcgaggcc ttcctcgtgc 240

ccacgcctta ctacccagga ttcgaccgcg actgctgctg gaggtcggga gtgaagctgc 300

tgccgatcga gtgccacagc tacaacgact tcaggatcac cagggaggcc gtggtggcgg 360

cgtacgaggg cgcgcggagc agcggcgtgc gcgtcaaggg cattctcatc accaacccg 419

<210> 6552
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b01b1

<400> 6552

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gctgtaagtg tacattttag aacgcgttgg tatagtgctc ttaaaaaatg gacatattagg 120

gccattagct tctcttgtgg aggaaatcat tgact 155

<210> 6553
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b02b1

<400> 6553

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gggaagcaga aggcttggag gaagaagcga aagtctgagc tcggtcgcca gtcagccaac 180

acttatctat caagcaacat aacagtgagg agggcccgcg ttcgttgagg ctacgtgaag 240

tgctgggcct ctccgtcttg acagtggaaa cttcttatgg gggagagagg ctgttaccag 300

taagacccgt c 311

<210> 6554
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b04b1

<400> 6554

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agccgggtgg gcgcgcgggc ggcgcaggcc gcgcgggacg ccgtctgcag gtccgccggc 120

aaggccgaca gggcgcaggc gcaggcgcat cagcagtcca tggccagagc cggcagggcg 180

ccggcggagt ctgcacgggc gaaggcgccg atggccagga aggccgccga tgagcggcgg 240

aggcgggcgg cccatgagga gtcgctccgc accgtcatgt tactctccat gtggggcccc 300

aacgcctagc agcgcgtgga ttagtaccga tgattatagt tagcagtgtg cgtgcgtgca 360

catggtttac gtgccgtgtg gctaaaagta acccttttaa gtttgtgcaa gcctgtgtgc 420

acaaggcgga tgtaaaga 438

<210> 6555
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117b08b1

<400> 6555

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tgcccgctgc tggatgggct cgtcgacctg gaggcggccc tgtgcctctg cacagtgatc 180

aacgccaacg tcctcaacat cgtcaagctc aacctcccca tcaacctcag actcatcctc 240

aaccactgcg gcaagaaagc gcccaccggg ttcatgtgct aagcgatcta gncaggcgtg 300

ccatgcagcc cacgcatgcg ttggctgcat gcggccatgc tgattagtgg tgcgagaagg 360

gcattatc 368

<210> 6556
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b12b1

<400> 6556

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tggcaaacac aaaaaagaaa aaaaacaaac caacgggcgg ccatctttgc gcttcccggc 120

tttcgttcct ttgtttgcaa cgcgggggcg cctctttagg gggtcccccc tttactcccc 180

tggccgtggc caccttaccc ttttttgggg gctcccctgg tctaacccag ggcccgggct 240

ttgccaggca taccctttta aacctcttga tttcccccat tttatgcctt gcccttcgcc 300

ccccctttta acagcttgga ttatatgaaa aatgggccgc ccccttttct ttcccttcca 360

gtgcaccccc ctttt 375

<210> 6557
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117c06b1

<400> 6557

cggacgcttg ggcggacgcg tgggcggacg cgtgggccca cgcgttcggg ccaatccgcg 60

tgcccggttc gtggtgaccg gccacagcct gggcggcgcg ctc 103

<210> 6558
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117c08b1

<400> 6558

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aggcccccgc gccggcgccc accagcgacg catcctcggt cgaccaaggc gttgcctact 180

ttctgatgat cctggcgctg gtgctcacct acctcatcca cccgttggac gcctcctccc 240

cgtacaagct tttctgagcc tgtatatgcg cagaggcttc tcattctttt gttcttcttt 300

ctgttgttcg ctgatcgata agctagtgga ttcttgagag attggttatg tgagattcga 360

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ttttgttcca atgcttctca ggtctgttgc caggaatt 458

<210> 6559
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d03b1

<400> 6559

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cgtctccttc cgtgagactg ttctggagaa gtcctgccgt accgttatga gcaagtcccc 180

caacaagcat aaccgtcttt acatggaagc tcgcccattg gaggagggat tggctgaggc 240

tattgatgat ggccgcattg gcccgcgtga tgatcctaag gtgcgctcca agatcctgtc 300

tgaggagttt ggttgggaca aggatctcgc caagaagatt tggtgctttg gacctgagac 360

gactggcccc aacatggttg tggacatgtg taagggagtg cagtacctga atgaaatcaa 420

ggactctgtt gt 432

<210> 6560
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d05b1

<400> 6560

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aatatcccgt ggatccactt cagaaaaggg tgattcagct ggagaaggcc aaggcagaca 180

agaggagggc tgtcgaagcc gccaagccac agtcgaagag gccacgtgcc aacggatcgc 240

tctatgcacc ccgtgtcagc agcttccctg agaagagctt ctaccaggca acaccagaga 300

ggcacccata cccttacgaa aggcagtttg tgtacggcgc tgaggcccac caccacccta 360

cgatgatgaa cgcggctccc tacaccatct cacccgccca cacgccgtac tacggtaatg 420

gctacccggt gcagtaccag ataccttata tccactaatg ggggagagct acaatggctc 480

tttcctaact 490

<210> 6561
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d07b1

<400> 6561

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tgctgctggc tgcctccccc gaggtgttct ggtccgaaca aggtggagtc actgggcgcc 120

cttcggcccc agttgcttct gtgaggggga gtatcatgaa aaagatgcag tgatggcact 180

tctgctctct gtgggaacac aagtaccccg cggtttcatg gtcccagaca caatacgaac 240

actggctctc cgtgagacag atcagagagg ggattcttga acacacgagg cactattgtg 300

actctgctct gaggtac 317

<210> 6562
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d08b1

<400> 6562

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tggtcttccg tgtatcatgg agttgagaac catgaggact gcgttctgag gttggcggcc 180

atcaagcaca agaggatgca ccggtttata tcctacaggc tgcaaaggat tggctggggc 240

tatgggggac agactggtga gcgcgaggga acatcctaag gcgtgatcaa ga 292

<210> 6563
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d11b1

<400> 6563

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taggttgtgg gggtggtgtg taaaatacaa ttgatttagt ttgtattagg tggttgattt 120

aggttttttt tttagtttgg tggctgattt agttgagcca acatctcatg tgtcaaatgt 180

tgaaagttac ttcagttcag aatcactata aacctaactg cggctgaaac tactccgatc 240

agctc 245

<210> 6564
<211> 457
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117d12b1

<400> 6564

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tggtctccat cggcgacgtg gtgcgcgcgg tggtcagcga gcacaaggag gagctgaacc 120

ggctcaacgc ctacatccag ggtgggtact aggaccccgc cgttttgcag ggcgtccctt 180

tgaatgaact cgaataacga ccagggtgat gatgacgaaa taggccgtgt ttcttcgcgg 240

acaatggccg ttgaacttga atttgggtgt gtgatgtttt cctgcttatt tagtgtatat 300

ttccgtggcc gcgcgcgccg ccacgcactt gtttctggag cgtatagacc atccatctca 360

gctgatggtg atagacgcag aataaagctt gggagtgtcc tggaaaggat acttgagttt 420

cgccgtgcta aaaaaaatat taaannnaat taatttt 457

<210> 6565
<211> 389
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117e01b1

<400> 6565

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ctaatccttc gtggaatgta agaatcattt gtgacagaga taaatacact tgtggtcact 180

gtacttgngg ccaaaaaaaa aaacaaaaaa aaaaaaaaaa aaaaaaaaaa agaacttggc 240

actacaagtg gaaaaactta aaagaagaat ttgaataacc gagaataaaa acaagaaact 300

atccatcaaa aaacaacggg ggggcttttt aaaaacccca cttttcccca cctggtcttg 360

taagaataaa ttttttttt aggggcccc 389

<210> 6566
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e02b1

<400> 6566

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aagcggctgc agcatgaccc accggccgtg atcagcggct cgccgcacga caacaacatg 180

atgctctgga acgccgtcat cttcgggccg gatgatacgc catgggacgg ctgcacgttc 240

atgcttacct tgcagattac agaggattac cccaacaagc cgtcaactgt tcgttttgtc 300

tctaggatgg ttgaccgata tatttatgct gatgggagca tcggcttgga tattgtacag 360

aatcagtggc gccctatata tgacgttgct gccatattga cttctattca gtccctt 416

<210> 6567
<211> 244

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e04b1

<400> 6567

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tatgttgcgt agcagaacga tgctttctgc ctgtgaatgt aaaacataag attgcctatg 120

tgtcacgact caaatggcat tgtcatctta aaaaaaaaaa aatgaactct taaatgaaaa 180

aaattggaat gaattctgca gaaataagaa ggcaaaatgg ccaatacaat aaatctggta 240

gtga 244

<210> 6568
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e08b1

<400> 6568

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ctatgttcat atttctcgat agcattcgcg gcggaccagg cgagcggcct ggccgaacct 240

ggaccgggac gaacaaagag gcttttggcc ggaagtttct gtagttcgtc ggctgagttg 300

acccttgttg ctggctcagt ttcacttgcg cattggctgg ccatagcgag agaatttttct 360

ccggccagga cgtgaaactg aagagacaaa tgatggggcg gaaaggttga cacgatcaag 420

gactgaaagc ctgataatac cttttagccc gaggttcata ttgtgaaaat accaaggagc 480

taaatagaag aatttggccc 500

<210> 6569
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e09b1

<400> 6569

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gaggcggagg ggagctggtc tacatcaaga tattgggagg cggaggggcc gtatggcgac 120

tagctgcgca acacagaagc aagcagcgac ggtgctacta cattatacaa ccgcgtcgac 180

tacgagagca ctcatgggaa ccttagcccg acgagacaac aacccctttt cccggttccc 240

cctgtcgcgc cggcgcctga ggaaactgcc ggtcgaaatc ccgaccggcg gacggtggac 300

aaagggctta ctgttagaac gcgcggcgta cctacctaat gcgagggcta caagaggggg 360

aggctcggac tccggcgctt agggcggaa 389

<210> 6570
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e11b1

<400> 6570

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actttggccg cgatgatgcc gacttcacct gggaggtggt gaagcccctc aagttcgaca 120

aggcatctgc ctaagaacaa gacatcacat tggggttatt cttggtctgc tgcctctcaa 180

gttcgacaaa ggcgggatcc ttttgctcct gggaagtaag aagaagcatt cgacatcacc 240

gcgacgtgct acactggtcg tgccgtctag tgatcagtgc taagttttct tactggtgta 300

tcatttcata tatttttcct tttctttttg agtctgctga aactgctgag tgatgtgcaa 360

tttgctctgt cacttcgtca ctttcacttt tcatattctg ttttgtgtag tttcccctca 420

taatgctctc ctcataatgc tctttcttcc agagtttaaa gagccatgtg taattctatt 480

gccctattgt tcccaaattg tcatt 505

<210> 6571
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117e12b1

<400> 6571

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ttatactgca ccaacactta tccgttcgct catgcgtgat ggttccgtgt atgttgatcg 120

gtactcacgt aagtctctcc gagttttagg aagtgtgggt gagccaatta atccaactgc 180

atggaggtgg ttctataatg ttgtcggtga ctcgagatgc cccatatcag acacctggtg 240

gcagactgaa actggtggtt ttatgattac acctttacct ggcgcttggc ctcagaaacc 300

aggatctgct acatttcctt tctttggtgt acagccagtg attgttgacg agaaagggcg 360

ggaaatgccc ggagaatgca gtggatacct ttgcataaag aagtcatggc ctggagcttt 420

ncggactctg tatggagata aggacagata tgagacaaca tac 463

<210> 6572
<211> 535
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117f01b1

<400> 6572

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aagcttgacg acaagcagag tgagagcaag tgtgctcttg tgtacgggca aatgaatgag 120

ccccctggtg ctcgtgctcg tgttggactg actggtttga ctgtcgctga gcatttccgt 180

gatgccgaag gacaggatgt gcttctcttc attgataaca ttttccgttt cactcaggca 240

aactctgagg tgtctgctct gcttggacac attacatttg ctgagggata ccaaccaacc 300

cttgctaccg acctgagagg gctgcaggag cggattacca ccacaaagaa gggttctatt 360

acatccgagc cagctatata tgtgcctgct gatgacttga cagatccggc ccctgctacc 420

acttttgccc atcttgatgc taccaccgtg ctgtcgcgac agatattcga gctcggaata 480

tattctgctg tcgatccttt ggacttcaca ttcagaatgt ngtcttctca tgttc 535

<210> 6573
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f02b1

<400> 6573

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ttcaaggggg ctggtgccaa catcctccgt gccattgctg gtgctggtga gctctccggc 180

tatgatcagc tccagatcct cttcttcggc aagaagtacg gctcaggcgg tgcctagagg 240

ggacgaaatg atgacgaaca agagaagttt gttcccagac ctacccttcg aggatctggc 300

gaacttttat ctttttaacg ttggaaggca ataattattg cagagg 346

<210> 6574
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f05b1

<400> 6574

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cggagaactt cgcggccctc gacgacgtgc cggcgtccga cgagcaccgg aaggcggacg 180

gcggcggcgc gaccgagcag cagcagcagg gggcggggcg ccaccggcgg gccatgtcca 240

tggccgtcgc ctcctccagg gacctcgaga tgatcaagga ggacgtcggc ggctacagca 300

actacaagat tggcgcctag attagtgcca ccggcggcgc gcacggccgg cgcggctcag 360

agcacgcacg tgtacggtgt tcgtaatacg tgcgtgcgcg cgtgctcggt ggcgctctcg 420

gcggagctgg ggcctcgcgc gcgcggctga gcttt 455

<210> 6575
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f06b1

<400> 6575

aaaaatttat taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaa 76

<210> 6576
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f07b1

<400> 6576

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aaccatttct ttcattgcct catgctatat tgtgctaggc cgccatttcc aatgggcagc 120

aatactggtt agtttgatag gtggtgttac aatgactggt gttcttggaa caatgacgta 180

ctttgtggtg aaatcaaagc gcatgaggaa gattagaaaa aaagagaaga tgtcaagaag 240

aagcggctca agctcctggg ttgatactga aatctcagag actgagctta atcaagtgta 300

tgccttgtaa agagacaggg tgtttgaact cagccttgcc tctgcaattg agaatgtaca 360

tgcttaatca agtgtatgcc ttgtaagaca cagggtgttt gaactcagcc tcatatctgg 420

aatcgagaat gtacatgaaa attccagatg cgcgcattac 460

<210> 6577
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f08b1

<400> 6577

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gatgggcctg cagtcggaca aggactggac cggcgacggg ttcgtcaagg agaccgagag 120

catggtctcc aactgatgcc gcaaccccgc ctgatctctc ggtctccaac tgatgatgca 180

actcagtctg atctgatccc ctcacgacga ccttcctttc caccatactt ccttccactt 240

gtgattaaac ccggacctat aaacgaaacg aaaagaacag tgggaacttt tgctgcacct 300

catcattcaa taaagcattg tagtgtaaaa aaaaatatta aaattaaaaa ataacccaac 360

aaaaa 365

<210> 6578
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f10b1

<400> 6578

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aaccactccg tcaccatcgt cggctactgc gagggtcctg gccagggaaa caagtactgg 180

attgccaaga actcatggag caacgactgg ggtgaacaag gatatgtgta cctcgcaaag 240

gacgtgccct cgtccacggg cacatgtggc ctcgccacct cgcccttcta ccccacggct 300

tgaccacagg cagcactatg tgtgatatct aaggaattgc ttccgtttcg ttgtgataat 360

gctaaattac tatttttgtt atacttccct ttaatttgat caataagcgg tagaccgtgc 420

gtgcgatagc atggcctgag tgtaataaat cgtcgtgtga attacacttt ctacaagtta 480

attgtacatt tctgacacat atttaccgaa ttaacggatg ccgtgtcgaa atatccatct 540

<210> 6579
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117f11b1

<400> 6579

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tgtgaacaag aagttcagca accagtacaa ggctacgatt ggcgccgatt tcctcaccaa 120

ggaggtgcag ttcgaggaca ggctcttcac cctacaaata tgggatactg ccggtcagga 180

gaggtttcaa agtcttggtg ttgcattcta ccgcggagca gattgttgtg ttctagttta 240

cgatgttaac tcgatgaaat catttgataa tctgaacaac tggcgtgaag agtttctaat 300

tcaggctagc ccatcagatc ctgataactt ccctttttgtt ctgctgggta acaaagttga 360

tgtagatggc gggaatagcc gtgtggtctc tgagaaaaag gcaaaggcat ggtgtgcctc 420

taaagggaac atnccatact ttgagacttc ttgtcaggat ggaatcaacg tggaggaagc 480

ttttca 486

<210> 6580

<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f12b1

<400> 6580

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ctggacgccg agtcggagag cgtgctgcag gaggcgctgg agcggctgat gaaggggcgg 180

acgacggtgc tggtggcgca ccggctgtca acgatccgcg gcgtggaccg catcgccgtg 240

gtgcaggacg ggcgcatcat ctagcacggc gggcactccg agctcgtggc gcggtccgag 300

ggcgcctact cccggctgct gcagctgcag aaccaccgca actgatggaa ggacctgatc 360

gatgccatgg gtggatggat ggatgggggc tcgatttttg tg 402

<210> 6581
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g02b1

<400> 6581

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tcggaggaag agcaagaagt ggtttgaccg tgattcattc tttatagttt gcattttgca 180

ggagaagcat ccacattttc tctctcggcc ataagaattt agtaaatctt catgtcttgt 240

taagtttccg atacatgttt gcgccacccc gtctgtagat cttacttata atcaaatcct 300

cgggcccctg tgctgcctga ggaggttttt ccgctgtatc ccatgaacga actttgtagc 360

ctgttttgct gaaatcatta cagaatccaa tgtgtttttt catcaagttt gtagttgctt 420

ctcaaaaaaa acaaaatcga cccctaacac cc 452

<210> 6582
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g04b1

<400> 6582

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attagatcgc ga 72

<210> 6583
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g07b1

<400> 6583

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gggctccagg gctaagatgt catctccacc ggccaacgtc gtacagatct gggaaccttt 120

tcaggatgca gatttgcaat ctctattcta aataagcaca tgatctttga tcacttgtta 180

gtgtgcacca ttcgtgtcaa ttcctatgtg ctactctgaa ctttatcact gtcatttggc 240

ttttaaaaaa aaaaaacaaa caaaaaatga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaatacaaa aacgcccctg tgtaaaaaaa ggaagatcaa aaccaaagg 349

<210> 6584
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g10b1

<400> 6584

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tttcagtcat gatgatgatg atatatatct cctaaataat tcattggcaa tattatgaac 180

ctatgccaca gcttgtgtct attacctacc ctagttcgtg gtctctgttg tcccgggagt 240

atttccttgt attgatgttg gaattacctt catggcagtg ggtttataaa tatggagttt 300

gaat 304

<210> 6585

<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117h02b1

<400> 6585

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gttctagtgg agttataccg agtttggacg cacggcgagg atgtgattgc cttcgtgttt 180

tacccaggtt cccctaact 199

<210> 6586
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117h07b1

<400> 6586

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atcagatgta taggtttcag atgaacatta ctccattatt agtatcactc tttaaaaata 180

gagcatatac tgatgctaaa aaaaaaaaaa actggaagaa caaaaaaaaa aaaaaaaact 240

aaaggggggaa aaaaagaaaa aggaagaaga aaacaaaaag gacaaaaata gacaaagggc 300

ggagaaaaac atatacactg aatggaaaaa aaaaaataat aaaggggggcg gccctttag 360

agaaccaaac ttttttcccc ggggttggga agataaaagt tttttttag gg 412

<210> 6587
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117h09b1

<400> 6587

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gttcatccag accgtcttcc ccgagaactc gtagcgcctc ggcccaccac catccctcaa 180

ccagtgaacg ctccatttcc ctgccatggc atgatcctgt gtagagaacg aggaacgagg 240

gcgtccgcag agggtcttct ggagggctgg aatttttttt tcaagcatga gcacaaacca 300

tgtctttatt ctgggaataa aggtggcatg gctgggttat ggagcatgga gaatccaccg 360

gtgtcccgct gtggaagaga ggaagagcgt ccgactttct gcgcgaatat gtgtgtccgt 420

cgagatcaag agcgatgtgc tgggcatctg 450

<210> 6588
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316118a04b1

<400> 6588

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ggacatgccg ggcatctcat cccgcggcgg tgctgtgctt cgggtggaca atggggtgac 120

agaagggcaa gaagcaagcg aaggagttgc gctacaggca gtgccggctg aggggcccaa 180

gaagaccacg ctcatggcta gctgctatca gcagtgcatt gcttatatcc actacccata 240

tatttttgaa tcttgcatga gtcagtgcca cccaaccgct ggaatcgtcg gcgtcttggg 300

ggatgccaag aagacgntgc agacgaaaca gcagtagcag caagaggagg caacaggagg 360

aggatttggg gtcctggcaa tgccaactga gcatgccggg cgggaataag aagggaagcg 420

gaagaggacg cctgggcccg gcaccatctt catggccatc tgacaaccca agatgggcga 480

cccccgcgag tacatg 496

<210> 6589
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118a09b1

<400> 6589

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gccagccagc aatggcgatg cagccgggcg gcgaggggga gacgctgatg cagcggtgca 120

agccgtacgt ggcgatgatc tcgctgcagt tcgggtacgc cgggatgaac gtgatcacca 180

aggtgtcgct gaaccacggc atgagccact acgtgctggt ggtgtaccgc cacgccttcg 240

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ggatgacccc cctcgtcttc ctcaacatct tcctcctcgc cctcatgggc cccgtcatcg 360

accagaactt ctactacgcc ggcctcaagt acacctcgcc caccttctcc tgcgccatga 420

gcaacatgct ccccgccatg accttcgtca tggcggtcat cttccggatg gagaaggtgg 480

accttaagag gccaggtgca t 501

<210> 6590
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b03b1

<400> 6590

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gagctcagga agtttgcaca gaaggctatg ggcacgacag acgtcaggat cgacgtgaag 240

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gttgccgagg tgcctgctga gggtttgaag gggctgggaa ccaaggtcgt cgatgacact 420

gagtagactc ttttctttat ctacatcgtt agaatgagct gttatttgga attgcaccag 480

catgcttttt gtatcccgca gagttttgga gatggaatat cggagctatt attttcctat 540

ctaaatttga 550

<210> 6591
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b04b1

<400> 6591

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tcggggatgg gcaaggtggt gtgcgtcacc ggcggctcgg gctacatcgc ctcctggctc 120

gtcaagctcc tcctccaccg cggctacacc gtccgcgcca ccgtccggga caccgccgac 180

cccaagaaaa cattgcacct gcaggccctg gatggagcca aggacaggct gcacttgttc 240

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ttccacacgg cttctccctt ttatcacaat gtcaaggatc ccaaggctga gttacttgac 360

ccagcagtca atggaacact caatgttctc cgttcctgca aaaagccttt ataagagagt 420

gatcaaacgt cgtcatggtg ctgttgctac aatggaaccc agactcctga tgggtagtga 480

tgagacatgt tttcagtcag agtctgtgaa agatga 516

<210> 6592
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b05b1

<400> 6592

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ccggctgtag atcgtga 77

<210> 6593
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b07b1

<400> 6593

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gacctgttta aggggccgtt ccatttctga agctaacaaa ctttaagtcg ttgatttgcc 180

tgcgatttga agacgtcgta gctgcatctg ctctggttaa tttcagtgca tttgcggctg 240

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<210> 6594
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b10b1

<400> 6594

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gatggatggc cgtccgcccg tgggagagtc ggttccttgg catgtacgca gcagatggaa 180

ttgccattga taccggagcg cacaatgctg agggaaatgc aaccaaggct ccatacagga 240

aacctgtgaa aaagcaggtt tcagctcttc attcaagtgt gttgatccag aaggcccgcc 300

cctcgaactc ggagggtggt ggctccttgt cgaacccgtc tgccggttcg gcgtcagcta 360

aaccgaaacg gaagctgcca ccaaaggaag gttctgatga agtctcgtct cgtctttcgg 420

gacttggtgc ccggagcagt agtaatccta aggagag 457

<210> 6595
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118c03b1

<400> 6595

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attgtgccac gcgtcc 76

<210> 6596
<211> 402
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316118c04b1

<400> 6596

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gaagcgccga aagatgaggc agcgatccaa gtaggcgcct tggagcagcg gaagcatcat 180

cctacatcca ggctgccagg caccgaggga tgacggcatg gtctagtgat tcctggcgtg 240

tttgctgcta tggctgtgga agctgtttaa cctgtgttat gtccaattta gctgtttaat 300

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tgactgaatt ttatgcacct attaattttg cggcgtctaa na 402

<210> 6597
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118c05b1

<400> 6597

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gaaccccgcc gtctccttcg gccccgccct cgtcagctgg gagtgggggt accagtgggt 120

gtactgggtc ggcccccctca tcggcggcgg cctcgccggc gtcatctacg agctgctctt 180

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ggagtcgccg tccatccgtc cgtgtgatgc ttcgtctccc ccttccttcc cgtcatcagt 300

cgttttagtt tctcgcgcgg tcgccgcatg ccatgatgca tgtatgcgga gctcgcctcg 360

tttgctttga atcaatcagt cctgggatcc gtcgatcggt cggtcagtcg agtcagtttg 420

tggtgcgtgc gtggagctgt aaaagcgtgg atgatctcga tctgggatga ccgacccagt 480

caatttgctt ctgtaaaact gtgaattcgc ctgcccgagt aatttcaagt tcagttgagt 540

tgg 543

<210> 6598
<211> 506
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118c12b1

<400> 6598

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cggcgactgc agccatgtcg ctgatcgcgg gtgaggagtt ccagcacatg cttcgtgtgc 120

tcaacaccaa cgtctacggt aagcagaaga tcatgtgcgc gctgacctgc atcaaggtg 180

tgggccgccg attatccaac atcgtctgca agaaggccga catcgacatg aacaagaggg 240

ctggagagct ttccgcggag gagatggacc gcctgatggc ggtggtgcac aacccgcgcc 300

agttcaaggt gcccgactgg ttcctcaaca cgaagaagga ttataaggac ggcaggttct 360

cccaggtcgt cttcaacgcc agggacatga agctcaagga tgaccttgag aggctcaaga 420

agatcaggaa ccatcgcggt cttcgtcact actgcggcgt gcgtgttcgt tgtcagcaca 480

caaagactac ctgcaggaga ggaaag 506

<210> 6599
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<212> DNA
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<223> Clone ID: uC-tsro9316118d05b1

<400> 6599

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gccgcgcgcc aacgccgagc tcatgatcgg gatcctcggc ctggccgact tcttccagct 120

cgtcgtcgcc ggcgaggact gtggcgaggg acgctccaag ccctgccccg acccatacct 180

ccgcgcgctc gccctgctcg gcgcgtcggc ggagcggtct ctggtgttcg aggactccgt 240

cgtcggcgtg caggccggcg tggccgcggg gatgccggtc gtggctatcg cgagcgagag 300

ccgggaggcc aaggtcgtcg ccgccggcgc gtccatggtc gtcagggact accgcgacgc 360

caagctctgg gccgcgttgg acgccgtcgc cggagctccc aagatagatt cagagctgag 420

cctgagcgcg gtggagcc 438

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d09b1

<400> 6600

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aagaagagaa tacacatgaa gagaaagaga ccttacaact ggcgaaatgc gtggcccttа 120

aagagccatt gatgctctgt ggaggacttc atgaggggg ggtcttttga ggggccccct 180

tctttcgctg ggggggcggc cgatcttttg ttttttttt tgggggccac catttgaaga 240

actggcgccc cgtgttgcag gcctgatgcg ggggtagctc ccgcggggcc taattttggc 300

gctggccggc gtctcccttt gtcgtggctg ggaaaaccct gggggggc 348

<210> 6601
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d10b1

<400> 6601

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aagaagctgt acagcgtggt gcgggactcg gcggacgtgg aggtggaggt gagccggttc 180

cggccggagg ggtgcaagtg ggagtcggtg acggagctcc ccgggagggc ggtgtttctg 240

gggtcggtgg cgtcggttgg cggctccggc gacggagggg gtccgggaga actgcgccta 300

ctttgagcgg ttggacgtgg ggctgatggt gtcgcaggcg aagggaattt tc 352

<210> 6602
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d11b1

<400> 6602

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cagctgctcg gccgtggcgg tcaagtatgg actcgtcgct cacaagggaa gaaagggagc 180

aagccagcgt gagagcggca tttgtgcaag acttgctgct ctccacccta ttcagagacc 240

aataactcag aggcgagccg atgttaccgc tacccgggtg ccccctggac cctgatgcag 300

actccgaaag gtcggtgccc ccagaccaag ttgccgaatg tgacatccat ggaagataga 360

tagggtttgg caccccagca aggaaggaag gaggtgcatc agagtcgatg tgggcatgag 420

gtgtcctaag ttatttgtag ccggtctttg agttggcagt taccgcgatc tctgcaagcg 480

atagatgtc 489

<210> 6603
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d12b1

<400> 6603

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tcggattacg atgacgacac cggccgggcg aacctgaggc gctcgctgtc ggggagctat 120

gatctcgcat cgacctaaga gccacacctg atgacataca tgagcttcgt gtgggacggt 180

atggggtagg gcttcgctca cccggagagc tacctgtggg ggcttgacga ggaggcacaa 240

ttgtcgatcg gcactatcga catgtaggcc gacatactaa aggtgaaaag ggaacagc 298

<210> 6604
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e02b1

<400> 6604

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aaagcaggag cgaagcgagg gatcgggagg aacaccggcg aggccatggc gcggcgggac 120

acggaggcgt tcccggacct gggcgcgcac tgcgacaggg aggactgcaa ccagctcgac 180

ttcctgccct tcgactgcga cggctgcggc aaggtgttct gcacggagca ccgcgcgtac 240

gttgagcacg gctgcccgcg cgcggccgac cagggccgca ccgtcgtcgt ctgcgaggcc 300

tgcggcgact ccatcgagcg cgacggggcg gacaagacgg atgcggagat cctcgagacg 360

cacgcgcggt cgcgccgggg ctgcgacccg gccaggaaac tcaagccgcg ctgccccgcg 420

cggcggtgca aggagacgct caccttctcc acacg 455

<210> 6605
<211> 74
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e03b1

<400> 6605

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ccaagatttg tttg 74

<210> 6606
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e05b1

<400> 6606

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gggtacaccc tgggtctaga tttggccacg gcaacgttcg tgatactaca gctaccagct 180

ggagtgcggt acaattacat gctctcatcc gcggagggtt ccgggatcta tcttgtcact 240

gcggaccggt ttcagctcag cgtgtggctt catcggatga caggtgacaa ccatggtgca 300

ggcggttggc tcttggtgga cacgttttct gttctcgaag catgcacacg ttttgcgggt 360

gacagtttgg gtgccttgtg aatattttaa tg 392

<210> 6607
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e09b1

<400> 6607

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caggtttaca ccagaacaat gtttgagaaa tttggtgaag cattgtacgt gtgtgggtcg 120

tatgatctag tagaagtcaa gccccaattg gattacattg ctaggcacat aaaattccag 180

tcaagggaaa agtggtgcaa gaatgagttt gtcatctccg tgagtgagac agccgatgag 240

ttcaggtgcg agtgtggaac atttgagcac tatggaatgg tttgcagtca tgcgctttaag 300

gtcatgatgc acctaaaact gcatgagctc cctccgaaac atgtgctcaa gcgatggact 360

agagatgcaa gagatatact actgccggag tatttgcgct accagaagga ccatgggcct 420

ctgaagtatt cttctcatcg acacaacact ttacacttgt tggcagtgga tgtggttaag 480

ttaggtgaca gcaatgtgga agcatatgca cttgcattgg agaaaatgcg agatgtcaaa 540

gtgatg 546

<210> 6608
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e10b1

<400> 6608

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gaggtggaca aggtgttcat cgccatgaac cagggcaagc acatagacgc gttgctcgaa 120

tgcctcaagg agtggaatgg tgagccgcta cctatctgct gaacgacgta tgagaaattg 180

aagagaagat agtgtgcttc agatttcaaa gaatccggat gttcttagtt gacaagtgat 240

aataatgctt ttcattgtat tctctagaaa tgttatgttt tgaaacttgc tcttacagag 300

ctgttctttt gttgccaaaa atttcaacta gattgtttaa gtggtatata accaatacaa 360

cttctatgat gtaaggtaac agcgtacaat atatggtaag tattcgtgat aaatgtactg 420

gttccttttt tgagatcaaa tggtccggtg gaggcacacg gcatt 465

<210> 6609
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f01b1

<400> 6609

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ccaagcagca caagggcgag ctcgaggcct ccgccgccac cccctacgac ctgcagcgcc 180

agctcgtctc cgccgcctgc gccgaggaca agtccggcgg cgtccagtcc tccttcacca 240

tggtctcccc caagtccgcc atcttccagg tggtcattgg tggtgcctct gctggtccga 300

tcggtggtgg tggtgctgct ggtggtgccg cagcatcagg cggagcttgc cgtgaggccc 360

ccaaggctga ggagaagaag gaagaagaga aggaggagag cgaggaccac cttggcttct 420

ccctttttga ttagatcttt tttaccactg tgcttcgcag aaatgacatg gttcta 476

<210> 6610
<211> 570
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f04b1

<400> 6610

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gtggagcacg ctgctgctac ctggtcatgc tctcagcagt gtgaatctcc agaagcatgc 120

ttgccgtgcc ttcttccggg tgcaccggag gctggcatgt gagcaggggt gcttcagtga 180

tgcagaagaa aaaaggcaag tcttatcggc aagggaaggc tacgcctttc ttccaggtct 240

ccctctctcc atctaaatct gtgtttggag gaggggggcta cggttagttc acccaccggt 300

ttactgtgtc cttgtgagtt gtgatcatta tcatgcactc gtcagttgct tgacatgtat 360

ggtgtcgttc ttgaattttc agctacatat aatggtcggt tgtgtgagtg aatgggagtg 420

tgttcatgtg tcggtctgtg tgtcgactgt cactgtgagt caattagcta aaagaagtgt 480

gatgtgtggg ttcagcgagg gagtaacagt cacttgataa gaatgtaagt gtcctatcat 540

atatgtattg cttaaatagt aacatgtaac 570

<210> 6611
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f06b1

<400> 6611

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ccgtccggcg ggcgcggggg catccgcacc ctcgccgaca tcaaccgcgg ccccctccgga 180

ttcccaggcg caggcggcag cggcagcgac tccgatgagc cccaggagta ctacaccggc 240

ggcgagaaga gtgggatgct tgttcaagat ccaacaagga gaaataatgt ggactcaatc 300

tttgagcaag ctagagtgat gggtgctcag caagttccac tgccttttt tgaaggccaa 360

tcttccagct caaccagctt tgcaggaaca ggtcgtctgc tttcagtgga tgcgcagaca 420

gcaccagc 428

<210> 6612
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f07b1

<400> 6612

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ga 62

<210> 6613
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f08b1

<400> 6613

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacacaag 98

<210> 6614
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f10b1

<400> 6614

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agttaaggct tcggtcatca tttgcttcac ctcatctgga cgggctgcaa ggctaattgc 120

caagtacagg cccaccatgc ctgtcctctc tgttgtcatt cctcgtctga aaacaaatca 180

attgaagtgg agcttcacag gtgcatttga ggcaagacaa tcactcatag ttagaggtct 240

ctttcccatg cttgccgatc cacgtcatcc ggctgaatct actagcacta caaatgaatc 300

agtgttgaag gttgctcttg accacggcaa agcatctggt gtgatcaagt cgcatgaccg 360

cgtcgtcgtg tgccagaaag tgggagattc ctctgtcgtg aagatcattg agctggacga 420

ctaggcaaaa ttagcctttg ctcagggctt gccagatttt tgactaggcc aaaacgttgc 480

ttggtggcta tgtataattc tatctatag 509

<210> 6615
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f11b1

<400> 6615

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cgagcggggg gattaaaaaa aacggccgcg agcatgccac gtcatagcat aagaaacccg 120

acacccaaac tcaagccact ggccgccgtc ttacaacgct ggagacaggg aaagaccctg 180

gctaaacaaa atgtaatcgc ctggcacaac attcctcttt cgacagcagg tgaaaaaact 240

aataggcccg aacggaccgc ccattccaac acttgcgcag actgaaagga gaatgggacc 300

caca 304

<210> 6616
<211> 532
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118g08b1

<400> 6616

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agatcaacat atatcatgca tgtaacaacc agaagcaaga gggaggagaa ccggagagga 120

atatagagct gtatgtgcag atgctataag acgatggcac ctagggcagg agagtgctgg 180

ctgtgtgcca cgcattgcct cttgaacaac tcctgctccg ccggcgcagc tctccccctc 240

ttctctccgg cgatgtcgac gccaaacagc ctcacgacac ggacttgttc tccattagct 300

gcctccgcca caggcggaga cgccgttgca gcgccgccgt cagcggggca gctcgccatc 360

gtcttgttct tcttgcagtc gatgaagaac tgcttctttt gaccgtacgc cgagcacgag 420

aacacgatgg aatcgccggc accgaggccc ttctcccgga caaagcggct ccaacccttg 480

gtgaggacgt agctcttgct gctggtccag tacgagtacc cggaacctca ca 532

<210> 6617
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118g09b1

<400> 6617

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agtgcaattt attgttttgt gagtagatgt atgtataatg atgaattgtt tgtcttgtta 180

gtgtttcttg gttttcaatt attgtttgtt gttatttttt ggtttataaa gaagaatttg 240

ttttttttt ttcagtgatg taagagtaat tttatgacac gaggcctaat ttttgtactt 300

tagttgtttt ta 312

<210> 6618
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118h03b1

<400> 6618

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ttcttctgat c 71

<210> 6619
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118h04b1

<400> 6619

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gacatggggg tgcgcatcgc cgcgcggttc cactcccact gcccgcagac ggcccggatg 180

tactaccacc ctcccgcctc ctcctcggcc gcccccggcg ccggcgacgc cggcgggatg 240

gtgcccggcg aaggaggcgc cgtggccatg gccatgatga agaggcagca gcgggccgcc 300

atcgacgcca cggagattat tctctacacc gtcgtctagg ccggctgctg ctgcgctcat 360

ccggatgtat cccgccattg aagagagaga gagagatgct atcttctttt attgtacttt 420

tggtttattt tcgaatcgag gagagggaga tgaaatatgg gagagaatgt tcaattgatt 480

gaatgaatgg attgaagaac ttgcgagtt 509

<210> 6620
<211> 539
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316118h12b1

<400> 6620

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gcggtgtacc tggcggtgct gatcgagtac gaggacatgg acggcgacgt gatccaggtg 240

gacatgaagg aggccaagtc ggggtcgtgg atggccatgc gcgagtcctg gggatccatc 300

tggcggatgg actccaacca ccgcctccag gggcccttct ccatgcgcat caccagcgac 360

tccggcaaga agctggtggc caacgatgtc atcccggcca actggaggcc caacaccgac 420

taccgctcct tcgtncagtt cagctgatcc gaccgaccca tgggcagcca cgtgcgcctg 480

catcatgcat gcatgcgctc tggcccctct gcttgctacg gattaaatca ctcgccgat 539

<210> 6621
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a05b1

<400> 6621

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gttagtaacg tctgtaaata gcatgattac tgcctagctg ctatgtgcct attttctcta 180

aaaaaactga gacatgtttg agctgaaaaa aaaaaaaatc ttaaaaacaa aaaaaaaaac 240

aaaataaaaa ataaaaaaaa gcaaatgaaa aaaaaaaaaa aaaaaaaaga ataaagaa 298

<210> 6622
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a06b1

<400> 6622

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actgcaaaaa agaaaagg 78

<210> 6623
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a07b1

<400> 6623

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gttcggttct agaacggga 79

<210> 6624
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a09b1

<400> 6624

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cgcga 65

<210> 6625
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a11b1

<400> 6625

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cccagtac 68

<210> 6626
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b01b1

<400> 6626

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caccctcaat acctctcttc agggggggcct ccttttcgtg gcccccattt ccccccccc 180

gttccccgcg cgttattttc ttctatgggg cccccataat ctatttccct gcccccctttt 240

tacccccttg tgcccttgaa aacccccgcg ctcccccccа ctattccccт tcgtaacact 300

cccc 304

<210> 6627
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b02b1

<400> 6627

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggaggaca 120

gaggggggga cgcttgagag ggtccgggtg aacgcagggg ggaaggtaaa gcaaggggtt 180

ccctaaaggg aaaccaaagg ccagtggatt ggcggggggt gtcaggcgag gggatgggga 240

aaacccgggg gatacccaac gaaagcgcct tgctgaaggg gggccggtgg gatagctggg 300

gg 302

<210> 6628
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b08b1

<400> 6628

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gtggttgagt gcaggatttg caaagcatct accaaactag tctttggttg tttacagtac 180

tgagatcttg atctcgcgaa cctagt 206

<210> 6629
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b09b1

<400> 6629

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aaggtcgccg gcgaccaggg ggagctcgtg ctcgacggcg gcttcaccgt gccggactcc 180

aacgccttcg gccacacctt cagggactac gacgcggagt cggagcggaa gaagacggtg 240

gaggagttct atcgcgtgaa ccacatcaac cagacgtacg agtttgtgca gcggatgcgg 300

gatgcatatg ggcggctgga caagacggag atgagcatct gggagtgcat cgagctgctc 360

aacagttcat agactacagc gaccttgacc tggacatgcc aagattgagt a 411

<210> 6630
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b11b1

<400> 6630

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cacctcaggc aggtgttttc cactcagatg ggtttgagtg accaggacat tgttgctctt 120

tctggtggtc acaccctggg aagatgccac aaggagagat ccggctttga gggagcctgg 180

accgccaacc ctttgatctt cgacaactct tacttcactg agctccttag tggggagaag 240

gaaggccttc ttcagttgcc gaccgacaag accctcctga ctgacccggc cttccgccca 300

cttgtggaca aatatgctgc ggatgaggat gctttctttg ctgactacgc tgaggcacac 360

ctcaagctct tcgaattggg atttggcg 388

<210> 6631
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c02b1

<400> 6631

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tacttgggat gtaacattga gctaaggtct gagggtacgt agctgcctgc ctgttggtga 120

aataaatggc cagcttgtgt tcttgtgagc agaagaaaga atgctagctg ctcatctcat 180

ctggcttgct tcaagtcatg gtattcagtt atttttgga aaatgatatt ccatgtgcct 240

gcttactgga gcacacggcg tcgatcatgg ccaaattaat gcagtgaagt tccaagatgt 300

catcatcacc agagacagaa ggagaggagc agcattcact gcactctaca ccatgcatcg 360

agcagctcaa gatgctcttc aaatgatgag cgcttcttcg ccatcgactg taggatcttc 420

ttttgtccca gacttgggta gcaccgtgtg tcgatcggct atgggaagat gaccaaggtg 480

gtagactggt agtggtgtat tgaatgggtg cagataaaa 519

<210> 6632
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c03b1

<400> 6632

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tcaagaataa aaataaaaag taggcggttg ctggtgttgc gagtcatggg tacctatcgt 120

agaaacgaac tggttcgctg tcttatagtg tccacgaagt tcccttga 168

<210> 6633
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c04b1

<400> 6633

gacgtcaatg tgaaccaaga gtggctggtg tagttaaatt aatgagcttg ggcattgctc 60

gatgttactg tgaaaaatgt gt 82

<210> 6634
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c08b1

<400> 6634

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aagcatcaga gagcgagaga aaagcaaggg ttgcatcggg agaggagaaa ggagaagcgg 120

gccaggatgt gtggcggagc gatcctcgcc gagctcatcc cgggggg 167

<210> 6635
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c11b1

<400> 6635

tcttccacgc gtccgcccac gcgtccgccc acgcgtccgc tagttctaga tcgc 54

<210> 6636
<211> 388
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316120c12b1

<400> 6636

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attgcacaca tgtacaagag cgaccgtgca aagtatgagt ccacagcgag gagctggacc 120

cagaagtatg caatgggctg accctggtag ccgcgggtgg aggatgatgt tggagccatc 180

ttcgcttgta acacctaatg tatctttgtt cctgttctgc tgctgctata tgggattgta 240

ctgtccacct gactgaattc aagtgtcata ttgtgaagtg atggcaaaag gcctctaatg 300

ggtctatggg tgcacccatt caacaaatta atagagatgg gaactgaaaa atntatatta 360

cattactttc tctctctctc ttctgaat 388

<210> 6637
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d01b1

<400> 6637

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gtcactgctg ctggccgccg gcgccgggcg gaagaagatg ccgaccccgt gcgccgtgca 180

ggtggctggc gggggcgtgg acgtcggcgc caccgacgag ctccgccgcc tgctccggct 240

ctagccaccg ctgctgttgc tgtgtgatgg gccgatggca aggcgaggga gctgcggatg 300

gatgtagccc gtttatatgg atccggggag tttt 334

<210> 6638
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d03b1

<400> 6638

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aagaggaaga agaagaagca gtgtggagca cgctgctgct acctggtcat gctctcagca 120

gtgtgaatct ccagaagcat gcttgccgtg ccttcttccg ggtgcaccgg aggctggcat 180

gtgagcaggg gtgcttcagt gatgcagaag aaaaacggca agtcttatcg gcaagggaag 240

gctacgcctt tcttacagga cttcctctcc tccattaaat ctgcgtttgg aggaaggggc 300

taccactttt tgtcctatct atatactagc cttctcgctt ataatgtaaa ctgtgttcct 360

ctcgcacatt ccgtgctcta cttacctttt tttg 394

<210> 6639
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d04b1

<400> 6639

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tataaacaat gctgccgatg ttgttcactg aacctgataa gtttttgatc gtgcaactga 120

aagtaacatg gccgttcgga gccaacgaat ttctgaggag gagaccatga ggagacaccc 180

aactgtaatg cccgactacg atatctgggt gtacacaggt gccgtgatga caaactgacg 240

gggaccaaag atgatttggc gcagctggcg gcttagattg aagaggggct tgctgcctct 300

aggcctaaac ttggct 316

<210> 6640
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d05b1

<400> 6640

atattaaaaa acaaaaaaaa aaaaaagcgg gcgttatata aaatacaaaa ctaccaaaaa 60

aaacaaaaca aaaaaaaaac tataatatg 89

<210> 6641
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d06b1

<400> 6641

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cacataatac gcttgc 76

<210> 6642
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d07b1

<400> 6642

tcgtagacgc gtgggtgcga gggtaaggtg gagggagaga aaaagcccta t 51

<210> 6643
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d08b1

<400> 6643

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gtggatgaat gatgtgtcag ccaagactca gtctcaggaa tgagctccag caaagcctgc 180

cgcttccgtc tgacttttt tgccttcgag cggatggcca tgttgactct tgcggtcatt 240

gtaactctga atttagctta gattagtgcc tagattgtag atcctatgtg tgtaaaatgt 300

ttgcagtcta ggccttgtat cgctgtaaca ttgccgatta gaatggcagc tgtgtatcgc 360

tgtaacattc cgtgttttta tttacctttt ttatgg 396

<210> 6644
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d09b1

<400> 6644

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tgttggactg gaaatgtgat ggtttcgagg gacgtccatt tttaccgcgc gaaaacgcat 180

atcatcgtga tacgaggttt ttgtcagtgt aatgtactgt acctagtttt gtttttaaaa 240

agttaaatga taccctagct agttcaaatt aaaaaaaaaa aaagtataat aagaagtggc 300

cttcatgttt aatcaacttc aactggtata tatcttcagt tatcatactt aaacttcg 358

<210> 6645
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d11b1

<400> 6645

tgatttgctt tatggtgtgc gatttgagtc cttaaccagc catcagatga ccaatacaat 60

tcaaaagaag ttcaaagtat catcaactca gctgctgtac caatcatgcc cataccaagc 120

attgaccctg ttcattgttg gtccattcct ggatggattt ctgactaaca aaaatgtctt 180

tgcttttgca tacacacctc aagttctgtt cttcatcgtg ctgtcgtgtc tgatatcaga 240

ctcggtgaac ttcagcactt tccttgtgat tgggaagaca tctcctgtaa cttaccaagt 300

ccttggccat ctaaagacgt gcttggttct tgccttcggc tatgtcttgc tgcacgatcc 360

gtttagctgg agaaatatac ttggaatcct gattgcagtg gttgcgatgg gattatattc 420

atacttttgc acccgtgaag ctccaaagcc cactgaagcc tctccacaag tcattcaggt 480

gaaagaaggc gaatcagacc ctttgatcgc agactccttg aacg 524

<210> 6646
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e02b1

<400> 6646

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ggccgtggtg gctgacgtct cggcgcagaa caccccgcag gacttcgtca acctgcacaa 180

ccgcgcccgc gccgtggacg gcgtcggccc cgtggcatgg gacaacaacg tggccaggtt 240

tgcgcaggac tgggcggcgc agcgcgccgg cgattgccgg ctgcagcact ccggcgggcc 300

gttcggcgag aacatcttct ggggttccgg gcagtcgtgg acggccgccg acgcggtgaa 360

gctgtgggtg gacgagaagc agaactacca tcttgaca 398

<210> 6647
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e04b1

<400> 6647

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tcaccgggga tacggcgcgc gagtgcacca tgatttagac agaaccgctg atgctgttgt 120

gtgtccctgt ggagagcgtg tgcgcacaca tgtggtaatc atgggccttt tgggccatag 180

ttgttctgtg gaggagacca tgtcgaaaga g 211

<210> 6648
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e05b1

<400> 6648

cttacgcctc cgttccgcga gcgcacggtg cgcggggtat acggagtgct ggccccggac 60

gcggagcagg ctggtgcctt cg 82

<210> 6649
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e06b1

<400> 6649

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ctgctgttgg cgtgggtgag caccgtggcg cgcaaccttt cgctgctggg gacggcggcg 180

aacctgatcg tgtgcgagca ggcgcgccgg gcgccgcgca acgcctacga gctcaccttc 240

tggaaccacc tgatcttcgg cgtgccctgc acccttatcg tcaccgtcgt cggtgttccc 300

ctaatccgaa agatgtagcc accctatcca tctacgcagc agcgtcctcg tcatcgtcga 360

ccgacgatcc aactatatgc aatatacact ttccttatat ataccagcag gctgtccata 420

tgtacgtgca tacacaagtc catatacagg cactttgttc gtacgtacgt attgtgcata 480

gcctccgctt tcgtatgtga 500

<210> 6650
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e11b1

<400> 6650

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tagggtttag tagtagcggg gaagaggaag gaatggtgga cgtcgagtac cgctgcttcg 120

actgcggact cgcctgggcc accgacgacc agtccctcca gaacgccttc tccaagtacg 180

gcgacgtcat cgactacaag atcatcactg acagggagac ggaccagatc ccgcgggttc 240

ggtttcgtca ccttcgcgtc gtacgaggcg atgcgccagg cgatcgaggc catgaacggc 300

cagaacctga acggtcgaat catcaccgtc atcgaggcgc agtcctgtcg ttcctgcgga 360

ggatgctgcg gccgcttcgg cggtggcggt ggcagctact gaggccagcg 410

<210> 6651
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120f08b1

<400> 6651

ttgtgactga tcgttttggc atgccaatgc aagcataatc ggtcccaagg aaactagctg 60

acccccttcga ctttggtgg 79

<210> 6652
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120f12b1

<400> 6652

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cgtcgtccgg tggcaagctc ttcaccctgg aggaggtcgc caagcacagc tccaaggacg 120

actgctggct cgtcatcggc ggcaaggtgt acaatgtgac caagtttctt gatgaccacc 180

ctggaggcga cgacgtcttg ctgtcttcaa ctgccaagga cgcgaccgac gacttctagg 240

acgtgggaca cagcacaacc gcccgggcga tgatggacga gtactacgtc ggcgagatcg 300

acgcgaccac gatacccacc aaggttaagt acacgccgcc caagcagccg cactacaacc 360

aggacaagac ccccgagttc gacatcaaga ccctgcagtt cttggtcccc ctcgcgatac 420

agagcctggc cgtccgcgtg cggatctaca ccaagggaga ctttg 465

<210> 6653
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120g02b1

<400> 6653

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gatgcaccat tttttccgcc agtcggttcc gtacaaaaaa tcattcattg attgttggtc 180

tgtaaaaagg ttaatctgca ggtttttttct tcttctgatg gatgggatgt tttccatgtt 240

tgtgccatgc ttcttgagac agatagagat ggagcatgat ttatctgttg gtgtgtatct 300

agtgagtggt agtggagtaa gttcttcttc 330

<210> 6654
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120g04b1

<400> 6654

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atattattgg ctgggcatat ttattagact aatacactag gcaatcattg ctgtaggacc 120

ttaacctaat gtataatatc aggcgcgtta tcttggcaga tggttcagac acgtgtgttc 180

atgtcgtggc caggctatat aaacattgcc ttacgcatcg aaaacattac 230

<210> 6655
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120g10b1

<400> 6655

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actgcggcct ctgctgcgtg acctactggt gcccgtgcat caccttcggc aaggtggcgg 180

agatcgtgga caggggctcc acgtcgtgcg gcaccagcgg cgcgctgtac gcgctcctgt 240

gctcgctcac gggctgccag tggatctact cgtgcaccta ccgctccaag atgcgcgccc 300

agtacgcgct cccggacgcg ccctgctgcg actgctgcgt ccacttctgc tgcgagccat 360

gcgcgctcgt gcagcagtac aaggagctca aggcccgcgg ctacgacccc gagatcggct 420

ggcaccttaa catggagcgc cgcgccggcg ccggcgccgt caacccgccg ggcgttcagg 480

agat 484

<210> 6656
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h04b1

<400> 6656

gccacacgcg cgtgtacacg cgggcggcca cgcgttcgcc cacgcgttct ttacacaagt 60

ccggcgctag aaccagcgaa ctccca 86

<210> 6657
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h06b1

<400> 6657

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cttgtgtgtg cgtgagaaac tgtggcgacg atcgcgttgt actaagctta tgtatttgtg 120

taactgaatt ggggtaattg aatcttcatt ttagcaaaaa aaaaaaaaaa attaaaaaaa 180

aaaatagaac agatgaaata atataaa 207

<210> 6658
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h09b1

<400> 6658

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tcgacgcgcc gccagatctc cacctcgacg cgccaccggt catctgcatc cacgccccac 120

cggaaactcc gccttgaact tcggtttttg tggtgtttcc ctccagtttg tcatgaacca 180

cagaaggacg cacaggagca gcatctggca ttcagagcct gacaggtttc atggttgcac 240

acaagcgatg ggtcaaagga gcctgcgaaa tatttttggt ctaggtaag 289

<210> 6659
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h10b1

<400> 6659

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tctcgccggc ccccgtggct ggctgcgtct gcttagctgc agctttgtag tggtgtgtgt 180

cacagtgtca gttccaccta tgatcgatcg gtatcctatc cggtttgtgt t 231

<210> 6660
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h11b1

<400> 6660

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ccacgacgaa gaaacagtgc gatgataacg ttgttgttgt agcggtggtt ggcggtggag 120

aggagatgag gaggatgggg tttgtgtctg cttacgtaca actttgtatt gttagttgta 180

acaggggcag tggctcttat ggttcaaagg tatcctatgc gtgctgtgta caaaatattt 240

tttttatggt ggcacctata taagatccat tgttctatac tttacaactg ctacgattgg 300

gaaaactctg tagttaccca tcttatttag tttgggcaaa t 341

<210> 6661
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a03b2

<400> 6661

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gaatacgacg tacgttagcg tcgtgacggt gca 93

<210> 6662
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a04b2

<400> 6662

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ccaggaccgt ctcaccgagg agggaaagcg cacggacagg cgcaatccct gcgggctact 180

caaggacatc cacgcgctcg tgaagtgcgc gcagaggctc gccgctgtgt gcagccccat 240

gaaggacggt ctggagccgt tggaaaggca cgtcccggag ggtttccacc gtatt 295

<210> 6663
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a06b2

<400> 6663

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gttaattcgt ttaggtcgat tgatattctt gtactgctag tcatgttctt tgccaccgag 180

aaatttgatc ggtggctgcg ttggtctctt gacattgtaa ttcgcaagca atatataggc 240

cttttccctc gcgttcaatg ct 262

<210> 6664
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a08b2

<400> 6664

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gccagggcgg cgttcctggt gaggtgcaag gccaactctg aggccaccct cgggacctac 120

aagggcgacg ccacccttgc cgagggcgcc tcagagagcc tccatgtcaa ggactacaag 180

tactgatctg ccccccgctg gatggtttgg gcattcctgc ttactacctc cgtctgaaaa 240

taagtgtctg acacttattt ttggacagag tagtatctag atggtttcat agtcttgata 300

tctttaaata tcaacccttg tttttaataa tataagcttc tacttatagt taatttttga 360

cgttgaat 368

<210> 6665
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a09b2

<400> 6665

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acggcaaggc agcaaacgcg attacgcaag cttaggtttc gtctctcctt cctctgtccc 120

cgccccacct cgtgccccac cctacctccg gcgcgcgacg agcgcgagca agagcgcttg 180

gtagatagat cccgatggcc tcgcgacgcc agacgctcct caaggtcatc atcctcggcg 240

acagcggggt cgggaagacg tccttgatga accaatatgt gaacaagaag ttcagtaacc 300

agtacatggc caccatcggc gcggatttcc tcacgaagga ggtgcaatac gaggacaggc 360

tcttcactct gcagatatgg gatactgctg gacaggaaag gtttcagagt ct 412

<210> 6666
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a10b2

<400> 6666

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ctgccctaac ctaccacctg cagatccgcg cgctccccga ccagcgtcgg cgggaacttt 180

cctgcgagct tgatccatcc agtggccggc gacagcgacc gaccgccgcg cggatcgatc 240

cagcgaccaa cctggagcac g 261

<210> 6667
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a11b2

<400> 6667

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gggtaagccg atcctaaggg acggggtaac cccggcagat agcgcgatca cgcgcatccc 120

ccgaaaggga atcgggttaa gatttcccga gccgggatgt ggcggttgac ggcgacgtta 180

ggaagtccgg agacgccggc gggggcctcg ggaagagtta tcttttctgc ttaacggcct 240

gccaaccctg gaaacggttc agccggaggt agggtccag 279

<210> 6668
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a12b2

<400> 6668

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gtttctgctc ccgttcccac cccaatcccc tccaagaaac cctcgccccc ctcgcctcgc 120

cgccatgggc agcgccgcct cgccgccgcg ggccctcgac gcggcgacgc aggaggacct 180

caagcgcgtc tccgtgcacc gcgccgtcga catggtggag tccggcatga cgctggggct 240

cggcaccggc tccacggtcg cgcacgcgct cgacc 275

<210> 6669
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b01b2

<400> 6669

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tcacccaccg cccacctagt ccctccctcc cctgaccatc tctccctacc ctctgcctgc 180

ttcccctgcc tcatccccag atccaatcga cacaaccccg ctgcccccgc accccgtact 240

gtccaccatg gccgactgct cctcctcccc gcaccaaccc atcaccccgt cgtggggcg 300

c 301

<210> 6670
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b02b2

<400> 6670

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ataagaaacc tgaccactcg ttcaagcctg gtggagctcc cagctatcct cttccacctt 180

atggtggcta catgggagac ccatatggtg cctatggtgg cggccctgga ttcaaccagc 240

ctatgatcta tggtagagga ccagcaccag ctggaatgag gatggtgccg atggtgctcc 300

ctgatggtcg ccttggctat gttctgcaac aacctggtgg aatg 344

<210> 6671
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b04b2

<400> 6671

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ggatggccga atctggagct gtggaagaag ggaagttcag gtactacaaa ttttctgtcg 120

aggaaggtgt ggctgagaaa gttgcgtctg gttgtgcaaa tattgaggta aagatagagt 180

ctgatacaag tggcggtgac actgatattt atgtttcaag gcatccttta gtattcccaa 240

ctcagcaccg tcatgagtgg tcatctcatg agatgggatc taaggttctt atactcaaac 300

caaaggatgc tactttggtc agtggccttt acagtgttgg ggtttacggt ttcaaggcca 360

cagcgaagtt tcaactttct gtagctatca aggatgttat tgatagccat aggattggtg 420

agcagggtag tgtgtcatc 439

<210> 6672
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b05b2

<400> 6672

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accatgaagt gccccgcgga gctcgcgcac ggcgccaacg ccggcctcga catcgccgtc 180

aggctgctcg agcccatcaa ggagcagttc cccatcctct cctacgccga cttctaccag 240

ctcgctggag tcgtcgccgt cgaggtcacc ggcgggcccg aggttccctt ccacccgggg 300

agacaggaca agcccgagcc tcctccagaa ggccgtcttc ctgatgctac ccaaggctct 360

gaccac 366

<210> 6673
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b06b2

<400> 6673

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tgagctcctg tatgtgaaca tatatgcaaa ccatgtgtat tagtttctat tactactatg 180

ttaatgatgg cagtttagat atccctgtgt tagataatta tcatatctag aagatgatca 240

aattttcttg attcatttgt agctcattgt tggattatgc tgctgctgct ggagatggac 300

atgctgttaa atattttcct ggagcttgaa atccttgaag tgcttaccat gttttttttt 360

gaaatggaag tgcttaccat gtactctctt ttataaacta aatacct 407

<210> 6674
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b07b2

<400> 6674

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gcacagcagt gggctccggg cttgcatcca tggtgctttt cgaggctaac atcctcagcc 180

tccttgccga ggttctatca gccgtcttct gtgaggtcat gaacggcaag ccggagtaca 240

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tggagcacat ccttgaagga agctcctaca tggcactcgc aaagaa 346

<210> 6675
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b08b2

<400> 6675

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tttacccaca aattgaagca tcaccccggg caaatcgagg ctgctgccat catggagcat 120

atccttgaag gcagctccta catgatgctg gcgaagaagc tcggtgagct tgacccattg 180

atgaagccaa agcaagatag gtatgcactc cgcacatcgc cgcagtggct tggccctcag 240

attgaggtta tccgtgcttc caccaagtcg atcgagcggg aaataaactc cgtcaacgac 300

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cccatcggtg tgtccatgga caacaccagg cttgccattg 400

<210> 6676
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b09b2

<400> 6676

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gcaacgtcgc cccgtccttc gccacggccc ccgccgccga ggccgccgcg gcggcgccgc 180

tgctgtccgc ggccggggag atccccgcgg tggcgccggc cgggtcgcag tgggcgtcct 240

gggaggtgga cgactgggag ttcgcggact ggaggtccga gtcggcgtcc gaggcggacg 300

tggcggtggt cgggggccg aggctggtgt tcgccccgcc gtcgcgggag gaggccgagg 360

aggccaccgc cgagctccgg gaagctattg aca 393

<210> 6677
<211> 332
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b10b2

<400> 6677

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cttgatggcg ctccctatga tgatggagat cggtctggag agagggttca ggacccgtt 120

gagcgacttt gtgctcatgc agcttcagtt agcgtccgtc ttcttcacat tctcccgg 180

aaccaagact cactactacg gaaagacgct gctccacgga ggagccgagt acagagccac 240

cggacgtgga ttcgtggtgt tccatgccaa attcgccgag aactatcgac tgtactcacg 300

gagccatttc gtcaagggca tcgagctgat ga 332

<210> 6678
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b12b2

<400> 6678

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agccggacaa gcggacggag gtggaattga gggtatgcca aaatcattgg gcagcgacca 120

gaaagattgg tcactattta ctggtgtcaa taatgaactg aacctccaga ctacagatca 180

tgtcagaaat catgagtcca caggacaaag tgtgaagacc ttcagctatt ctccagataa 240

tagttcatcc atactcaact tgtacaaaga atctaaattt gtcgatgctg ttcacgttcc 300

tcaaagttgt tccgaaagtg tagtcagctc ttctgatatg ttctctagca atgaagtgat 360

gaaaaccatt ccattaaatc aggaagcgac aatattttgg ttgatttcta ccataagctg 420

agag 424

<210> 6679
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c01b2

<400> 6679

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cctcctagcg tcgccgcccc tgcatcctcc tggcccgcag ctgatctcgc ctctttccga 180

cgagagtcca acccgcaact attcgtcgcg ctgccttttc catgtcggcc gcctccttct 240

ccccccctcca ctacgcgcca ctgccgtcgc ccatgcgcgg cctcgatccg gtgccgtcgc 300

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aatccgacct tccctctgct cc 382

<210> 6680
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c02b2

<400> 6680

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atcgtcgtgt ccaagatccg gggccgcaag ctgcggctgc cgccgggccc cttcccggtg 180

cccatcttcg gcaactggct gcaggtcggc gacgacctga accaccgcaa cctggcggcg 240

atggcgcgca agttcggcga ggtcttcctc ctccgcatgg gccagcgcaa cctggtggtg 300

gtctcctccc cgccgctggc ccgcgaggtg ctccacacgc agggcgtgga gttcgggtcc 360

cgcacccgca acgtggtgtt cgacatcttc accggcgagg gccaggacat ggtgttcacc 420

g 421

<210> 6681
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c04b2

<400> 6681

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cggcgaccgc tccggctccg gcgccaccgc cgtcacggcc gccaaggtgt cccacctcct 180

ctgcttcgcc acctgctggg gcgctgcgct ctgggctacc ttcatcggcg gaatcatcat 240

gttcaagaat ctgccgaggc accagttcgg gaacctgcag gggaagatgt tcccggccta 300

cttcacgctc atc 313

<210> 6682
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c05b2

<400> 6682

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tggagagcat cgtgcgcggc gtggtgacgc agaagatgga cgacaccatc cgcaccatcg 180

gctccaccat ccgcctcttc ttccacgact gcttcgtcga gggctgcgac gcgtcggtgc 240

tgatccggtc gacgccgggg aacccgacgg agatggacgc cgacgacaac aagtcgctgg 300

cgttcgaggg ctacgagacg gtgagga 327

<210> 6683
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c06b2

<400> 6683

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aattagcaga gatcggttga taagaagatg gatttctgaa ggctttatcc aagtaaaaga 120

tgaaactgat agccagcttg agcttggaga tagctacttc aacgagctag taaacagaaa 180

catgatcatg ccgataaaca tacatgctga tggtagggtt gaagcttgtt ccatacatga 240

tatcatgctg gatcttatat atgaattagc aagtggagag aactttgtta ctatactgga 300

tgttatcaag gaagacacac ctttggaaag aagttccgca gattgtccct ccagaagagc 360

atgacaggtc tcaccaatgc tcatatggct accacaagca tgtca 405

<210> 6684
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c07b2

<400> 6684

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tgctgcgaca actgcaggtc cttctcaggg atcgacgtct gtgacgacgc ccatcctgag 180

tgccccaagg gctgcttgca gtgccgcgtg gtgcagacga gccctaccaa gacgttcagg 240

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tgggttaaga tcagatcacg aaatgtttcg cccaaaataa g 341

<210> 6685
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c08b2

<400> 6685

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gaattcgaga gggagaggag cgataatggg gagggctccg tgctgcgaga agatgggcct 180

caagaggggc ccctggacgc cggaggagga caagatcctg gtcgcccaca tccacagcca 240

cggccacagc aactggcgcg cgctgcctaa gcaagccggc ctgctgcggt gcggcaagag 300

ctgccggctc cggtggatca actacctgcg gccggacatc aagcgcggca acttcaccga 360

cgaggaggag cagtcaatca tccagctgca ccagctgctc ggcaacagat 410

<210> 6686
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c11b2

<400> 6686

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ccttggctgc actgcttgct gtggtggtac tcgtggtctg ctctccggcg cctcgtgttc 120

tcgccactga ccccacccag ctccaggact tctgcgttgc tgatataatg aaccctgtga 180

ttgtgaacgg gttcgtgtgc aagaacatga agatggtgac ggcgaacgac ttcttcttgc 240

ccgggcttaa caagccgggc aagttgaacg ctcagggctc ggcggtgaca ccggtgacgg 300

tgcggcagct gccagggctg aacacgctgg gcatctcatt ggcgcgcatc gacttcgggc 360

ccaa 364

<210> 6687
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c12b2

<400> 6687

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tcgtggtgct gctcgtcgct ctcatggtgg ccatggcggt cacgggccaa aactcggagc 120

aggactccat ggacacccac aactcggtac gcgccgacgt gggccttggg gaggtgacat 180

gggacgctac ggtggcagcc ttcgcgcagg actacgcgga tcagcgccgc ggcgactgcc 240

agctgatcca tactcctgat ggccggccgt acggggagaa cctctactga ggcggctgga 300

ccgagtggac agcgacggac gccgtgaatt 330

<210> 6688
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d01b2

<400> 6688

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ccaccaggag tctagggtta gagagagaga gagagagcga gacgagcaaa aacaatctct 120

cgccccactg ttataccaag ttcgcatcca tctcactgtt atacatcctt gtatcacaat 180

gggtggccta tccatggagc acccttgggc attcgccttc ggcctactag gcaacgtgat 240

ctctttctcg agccttctgg ccccgatacc aacattctac cggatcttca agagcaaatc 300

cacggagggg ttccag 316

<210> 6689
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d03b2

<400> 6689

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cgcaattggt ggggatgttt tccctggctc aactctttca gatcacattc tgcgttttaa 120

caacataccc caggttaaaa tgatggttgt tcttggggag cttggaggaa gtgatgagta 180

ttcactcgtc gaagccttga aacaaggaaa ggttcagaaa cctgttgttg cttgggttag 240

tgggacatgt gcacgcctat tcaaatctga ggtccagttt ggccatgctg gtgcgaagag 300

cggcggcgag ttggaatccg cacaagctaa gaatcaggca ctaagggatg ctggggcagt 360

tgtcccgact tcat 374

<210> 6690
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d04b2

<400> 6690

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agcaggacgt cgtcgttcct gctgcccccg tgagcaacgg cagctgcaac ggcgccgtcg 360

tcgccgagcc cttgtacgcc c 381

<210> 6691
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d05b2

<400> 6691

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gaagaagatg gtcatgaggc cgctgtggca cgcggcgccg cctatctagt ctctgcccct 180

tacgtacctc cgtgatcaca gcagcttcat gcctcggtga ggtccctaat ttgtaggacc 240

aagctatgat tctttcttac ctatgtctgc aagctgttcg atgaaaatac aagcgagcta 300

caaggaaaga ttcatctatg taatatccaa gctttgttgt ctgcttaata acttttctg 360

agatttagtt acattcaacg atgacttgca tgtactacat tataata 407

<210> 6692
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d06b2

<400> 6692

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cggacctacc agcagaactt cggcctggag gtcaccggcc agctggacgc ggccacggtc 180

accaagatga tgtccccgcg gtgcggcgtc gccgacatca tcaacggcac ctccgccatg 240

ggcaagacgg tccacggccg gaacctctac tcctacttcc cggggtcccc ctcgtggccg 300

cgctccaaga agagcctcag gtacgccatc acggcggcca ccgagacgac catcgaccgg 360

gccacgctga gc 372

<210> 6693
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d07b2

<400> 6693

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cagacggagc ccaggccgga ggaggccccg gaccccgatt cctgctccca atcgtctcgg 120

cgagagaggc aacggagcca ctatgcctgg agcagatgag acgtttccgg cagagtcgag 180

ggcgacggtg ttctttgggg ctgtgacatc taaatcggag ccgctgacct ttgaagagtc 240

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catcctgggc aggacggagc tgtcccagct ggaggcctac c 341

<210> 6694
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d08b2

<400> 6694

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gcagggcggc ggcgcgcggg gtgcggtgcc gggccggcgg cctgatcgag ccggacgggg 180

gcaggctggt ggagctggtg gcccccgagg agggcggccg gcgggcggcg ctgcgccggg 240

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tgctcagcga gggctgggcc agcccgc 327

<210> 6695
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d09b2

<400> 6695

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tccttttgac gatcataatt gtcctccgat acaacttgtc atatcatttt gccaaagtgc 180

atactcatgg ctgaaggaag acataaaaaa tgtggtggtt atccattgca aagctgggaa 240

agcaagaaca gggttgatga tctccatcct tc 272

<210> 6696
<211> 360
<212> DNA
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<223> Clone ID: uC-tsrow189001d10b2

<400> 6696

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gacgcaaaat taacaaccac gagtttgaaa tacggataat ggtgcttatt atgtgctaga 120

aatcaaatat gaaaaggaga agataatgtt tgcgaaggag aggggagaga catacaggtt 180

gattctgggt aaactttgct taatttgttg gagaaaatgc tcgatagatc tcatggatgg 240

acgaggttgt ggcactagtt ctcggctgca atatctatct tgatcgatta gggcacatta 300

gaagcggaag aagaggaaac atttggggtg tgtatggcat tgaacattga gtgcttctgt 360

<210> 6697
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d11b2

<400> 6697

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gatctgacgc actgctcggc ggggcgcctc gtcaagcttc ggctcccctg ccggccgccc 120

tctgccagcc gtgccctgcg ccagcacgtc cccggcggcc tcgtacaccc cagccccccgc 180

ctgacctccc ttccaccggc cgctgcgagc tcctgccgcc ggcaaggtgc ctccgccttc 240

ccccgtctcc gcgtcagatc tgtctgtcct gccgccggca tcctctctgc tgacggcgcc 300

ggacccggga ttggggatgg cgtgctcctt tgctggtgtc gggcagtcct t 351

<210> 6698
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d12b2

<400> 6698

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cgccggacca gcagcggctg atcttcgccg gcaagcagtt ggaggacggc cgcacccttg 180

ccgactacaa catccagaag gagtcgaccc tccatctcgt cctcaggctc cgcggaggca 240

tcatcgagcc atccctgcag gcgcttgccc gcaagtacaa ccaggagaag atgatctgcc 300

gcaaatgcta tgcgcgcctg caccct 326

<210> 6699
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e01b2

<400> 6699

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attccaaaat gcacttgaag ctgtgaagac tctaagagca gagcccaagg ccaatgatca 120

gtatttgccc ccatttgtga tagttgatga gagtggcaaa tcggttggtc ctatagtaga 180

cggtgatgca gtcgtgactt tcaatttcag agctgatcgc atggttatgc ttgcgaaagc 240

actcgagttt cctgattttg ataaatttga ccgtgttcgt gtaccaaaaa ttaagtacgc 300

tgggatgctt caatatgatg gtgagttgaa gcttccaagc aagtaccttg tttccccac 359

<210> 6700
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e02b2

<400> 6700

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tgacctcgac gacactctgt acccgctgag ctcggggatc tcatcacacg tcaagaccaa 120

cattgaagct tacatgattg agaagctggg tattgatgag agcaagatcg aaaacctgg 180

caacctgctg tacaagaact atggcaccac gatggcgggc ctcagggcaa ttggctacaa 240

cttcgactac gatgagtacc acagctttgt ccatggaaga ctgccctacg acaacatcaa 300

gccagacccc gttctgaagc agattctcaa gaacatgcgc atccgcaagc tcattttcac 360

caacggtgac atgatccatg ccgtgagagc cctcaagagg ctgggcctgg aggactgctt 420

cgaggggatc a 431

<210> 6701
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e04b2

<400> 6701

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tgctcgtcta ctgcaccgcc ggcatctccg gcggacacat caaccccgcg gtcaccttcg 120

ggctgttcct ggccaggaag ctgtcgctca ccagggcggt attctacatg gtcatgcagt 180

gcctgggcgc catatgtggc gccggcgtgg tcaaggggtt ccagaccacg ctgtaccagg 240

gcaacggggg cggcgccaac tccgtcgcgc cggggtacac caaaggggac 290

<210> 6702
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e05b2

<400> 6702

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ctcgcacact cacaggcagc ggacacggac gacgatttcc ccaagtgctg cgaccactgc 180

aactcctggt cgggggccca gttctgcgac gacgtcggcc ccaagtgccg cgacggctgc 240

gtcaactgcc gcgtggtgca gacccgcccc gtgaagacat tccggtgtgg agatggacgc 300

tccgcctacc catacattcc ctgcccgccg tcgtgcaaaa agaactgatc 350

<210> 6703

<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e06b2

<400> 6703

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aggtggatgc cctggtggag aagatcaccg gcctccacgc cgccatcgcc aagctgccgt 120

cgctcagccc atccccagcc gtcgacgcgc tcttcaccga gctggtcacg gcctgcgttc 180

ccccgagccc agtggacgtg accaagctcg gcccggaggc gcaggagatg cgggagggcc 240

tcatccgcct ctgctccgag gccgagggga agctggaggc gcactactcc gacatgctcg 300

ccgccttcga caaccctctg gatcacctcg gcatgttccc ctactacagc aactacatca 360

acctcagcaa actggagtat gagctcctgg cgcgctacgt gccc 404

<210> 6704
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e08b2

<400> 6704

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tcaacgatcg caagagggag atatgactgc cgaaactggc acctacagat ggatggcacc 120

tgaggtgata aaccataagc cttatgatca caaggcagat gtcttcagct tcgctattgt 180

tctatgggag ttggtcactt caaaggtccc gtatgagaac ctgacaccct tgcaagcggc 240

actgtcagta aggcagggac ttcgcttggt gattccctcg ggcgtgcatc caagaatatc 300

taaattgatt caacggtgct ggggcgaaaa ccccaataca cgacctgttt tctctg 356

<210> 6705
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e10b2

<400> 6705

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caggtcggcg cagaattctt ccatggacgc ggtgatcttc tccaggtagt ccttgatgga 180

cggatccatc gcttcaagtt ggagacgaac ctgccgcacg ccgcgggtct cgatgaattg 240

cgccagatcg aactagggga aggagtggtg gctggtcttt gataccagat gtgagcagct 300

agatatggcg gtgcctcgat tactcacttg ctcacgcaat atcggattcg agtctcaatt 360

acagttgcta tacaagaatg gagaaagggg 390

<210> 6706
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e11b2

<400> 6706

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gaagcctgtg aagctgggag cgtatttgag gggcttctgc caaatgacat cggtgtctat 120

gcgaccaccg cgtcgaacgc ggaggagagc agttggggaa cgtattgccc cggcgagtac 180

cctagccctc cgtcggaata tgacacctgc ttgggcgacc tttacagcat ttcttggatg 240

gaagacagtg atgtacacaa cctgagaact gaatctctca agcagcagta tgacctggtc 300

aagaagagaa cggcagctca ggactcatac agttatggtt cccatgtgat gcaatacggt 360

tctttggacc tgaatgatca acatctcttc ttatacatcg ggtc 404

<210> 6707
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e12b2

<400> 6707

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ctcacggctc ctgtacgtgt gcacactgtt ctgatctgca cccagcatga tgagactgac 120

accaatgatg agattgctgc agacctcaag gagcat 156

<210> 6708
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f01b2

<400> 6708

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taccacctca tcatcgtgca ggacggcgac cccacgagga ccgtcatggt gcccgagggc 180

ttcgactacg agctctacaa ccgcaacgac atcaaccgca tcctcggccc caaggcctcc 240

tgcatctcct tcaaggactc cgcctgccgc tgcttcggct acatggtctc caagaagaag 300

tacgtctaca ccatcgacga cgatt 325

<210> 6709
<211> 217
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189001f02b2

<400> 6709

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actacgggag gcggtatggt ttgctcggct taaatggttg tgggaaatct acccttctca 120

ccgcaatagg ctgcagggaa ctccccattc ctgaacacat ggacatacat catcttactc 180

gtgagattga ggcttctgac atgtctgcgc tgcaagc 217

<210> 6710
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f03b2

<400> 6710

ccggccacca taggctcgcc tcgccggctt gtttccaaga gctttgagaa ggttcgcgct 60

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tctcgtcgat ttcttcgcct ggactttcct ctctccacct cggtgatttg cggcggagcg 180

gatcgagagc aggagtgaac aggggcgcat aagcatcgtc attcaaccca agggtgtaga 240

gagctagcta actcgaggaa tggatcgccg gagctggccg tggcgccgca agtccatctc 300

ggacaaggcc cccgccccca ccgaaaccga cagctccgcc tcctgcccat ccgagacttt 360

aactgatgaa caggatacca ccctc 385

<210> 6711
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f04b2

<400> 6711

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attcaaaaga gcatatcgga actaccgtcc agcatttgat tagcttggct caaaacactt 120

ctgagcttta ccatgaattg cacgcgctgg ataggtttga gcaggatttt caaaggaaat 180

ttcatgaaga ggagtctgta ccagcagcca ggcgagagag cgttatgata ttgcacagtg 240

aactaaagcg ccaaaggaag cttgtgaaaa ctttgaagaa gaaatccttg tggtccagac 300

ctttggagga tgttgtggaa aagcttgttg atatcgtcac ttttctggat aaacaaatcc 360

gggatgcatt cg 372

<210> 6712
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f06b2

<400> 6712

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cggcaccggc gagcacaaga gccccgacca cctcgccagg aacccctttg gccaggtgcc 120

agctttgcag gatggtgact tgtacgtctt cgaatcacgt gctatttgca agtatgcgtg 180

ccgcaagaac aagccagagc tgttgaagga gggcgacatc aaggagtcag caatggtgga 240

tgtgtggctc gaggtgga 258

<210> 6713
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f07b2

<400> 6713

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ccgaaaatcc aagaaaagca gcgggtcaag aaagagggaa agcaagcgag gagggtgatg 120

atgatggcta taagtcgccc catgattcac cgtatcatcc cgtcgcctgc gcgcctctgc 180

taaaagggcc tcgccgtccg tgtacgctcc agtgagcggt ggaagagcgt gcggttgctt 240

cgcgcagacg gtcggacgcc gccgctgcaa tgccgcagta ccaggagctg ccctgcggcg 300

ggcaggtgct cgacatcaac gccgcgctca aggatggcat cctggggt 348

<210> 6714
<211> 384
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189001f08b2

<400> 6714

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ggntctctta tctgttcggg gtcatccatc cgacccccgg atccgccgca aagacggtgc 120

ctttctggtt gttctcggca ctatccatgg atgagggttt agcgcgacgg cagtgaggtc 180

agcgtgtgga gttcctgggt tgaattgttg cagcgagagg ctttgggaaa gggcgcacgg 240

cggcgagatg cggggttccg agatgcggag gcgggcacca gagtaccggc ggcagtcgcg 300

gcggcggctg ccgggatgga tctggtggct cgctgggatc ttccttgtgg ttgggctcat 360

gctcttcgtt ctgcaccaca acca 384

<210> 6715
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f09b2

<400> 6715

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tcccccacaa caagcgctgg cacaccatcg ccggcaaggg cctctgcgcc accatgtggt 180

tttggatttt ctacagggct aagcaggacg gcgctgtgct cttgggtatg cgtcatcctt 240

gggatggcca tgatgatcac gcgcatggtc atggacatgc acacgagcat gaggcttcat 300

cgtcgtcatc gccgtcccat tgagctcaac gctgaaagcg gctgacagag accctgacac 360

gtcgcatgtt tcgacgcaag tctctgctaa taaaaaacaa tcacaactat cattgttcac 420

ccctgttgtt tgcgagtata ttttttttg gcacacaaac tggcttt 467

<210> 6716
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f10b2

<400> 6716

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cgcaccagag tacatcatga cggggcatct gacggctaag agcgacgttt atagcttcgg 180

cgtggtgctc ctcgagctat tatcgggccg gcggtccatt gaccgtgctc ggcgttccag 240

ggagcaaagc ttggttgact atgccagacc gtacctcaag aagcaggaca agctgcaccg 300

ggtcatggat ccggctttgg aatgccagta ctcgtgtcag ggggctgaac tggccgcacg 360

agtagcgtac aaatgcttga gccaaaactc aaagtcgagg cccaccatga aag 413

<210> 6717
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f12b2

<400> 6717

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ctacaagcgc acgctctccg gcggcgtcgt cacgctcctc tccgccctcg tcatgctgct 240

cctcttcgtc tccgagacca ggtcgtatta ttattcagca accgagacta agttagtggt 300

agacacatca agaggagaaa ggctaagagt aaattttgat attactttcc cgagtattcc 360

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gcatgacatt gaaaagaaaa gattggactc acatggtaat gtcattg 467

<210> 6718
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189001g02b2

<400> 6718

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cgacgccctc ggcagccacc tcaccaacaa gtactccgag gggcacccgg gcgctcggta 120

ctacggcggg aaccagcaca tcgacgccat cgagcgcctc tgccacgagc gcgcctgcac 180

cgccttcggc ctcgaccccg cctgctgggg tgtcaatgtc cagccctact catgcacctc 240

cgcaaacctg gctgtctaca cagggcttct cctacccaat gaccgtatca tgggccttga 300

gccgccgtct ggtggccatg tcagccacgg atactacacg cctagtggta agaaggtgtc 360

tggcgcctcg atattctttg aaagcttgtc atacaaggtg aatccacaga ctggctatat 420

tgattatgac aagctngagg accgggcaat gga 453

<210> 6719
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g03b2

<400> 6719

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cttcgcggcg gcaatgctcg ccattgccgt cgcaaagctg accggcaagc gcttccggct 120

gcccccgggg ccctccggcg cccccatcgt gggcaactgg ctccaggtgg gcgatgacct 180

caaccaccgc aacctcatgg gcatggccaa gcgtttcggc gaggtgttcc tgctccggat 240

gggcgtccgc aacctggtgg tcgtctccag ccccgagctc gccaaggagg tcctccacac 300

ccagggagtc gagtttggct cccgcacccg caacgtcgta ttcgacatct tcaccggcaa 360

aggccaggac atggtgttca cc 382

<210> 6720
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g04b2

<400> 6720

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caaagcctgc tagccgaaaa gatgaacggc aagtgagcgt agcggaacag actaatggcc 120

gaaccaatgc agctctcagt caaggacctg tagctgaaaa tgaatctgag aaggtgagca 180

aaaatatgag tagtgaaact gctgatggga agccctttct acagatcggg agcaacatgg 240

tgccagttac tgttggaaat gagactaaag aagctgctca aaccgtacaa cagtttgtag 300

tatatgtggg atttgagcat gagtgctcgt acggtcaccg tttcttactg tcagagaagt 360

atctcaagga gattgattat ggaagatctt atcaaaacaa tgaagcagaa agtaagcaca 420

gttcacaaaa gttgccccca aatgc 445

<210> 6721
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g05b2

<400> 6721

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gtctcccggg tctgttgcca aagccgttta caacttcaat gtcacagcca aatgtgggga 120

gcctggtgcc actgcttgcg ctgatccatc gacccattgg agctgggacg gtattcactt 180

gacggaggtt gcttatggtc atatcgccag gggttggtta tatggccctt ttgcggacca 240

accgattgtt cagtccctgt agtccacctc tactgttgca cttgtagagc gtctgaaaat 300

ggtgcactaa actggagcag gaaaagtagt tcttccataa agttccaatg ttcaatacgt 360

gtatattttt atttgattga attcattgca agtggggtac aaaggtaaaa taggggatgc 420

cagaagaatg actt 434

<210> 6722
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g06b2

<400> 6722

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cccacattgc cattccctcc ttgcgagtag cagcagcaat ggccagcctc gccgacctcg 120

tcaacctcta cctcagcgac tgcaccgaca agatcatcgt cgagtacctc tgggttggag 180

gatccggtat cgacatcagg agcaaagcaa ggacggtgaa cggccccatc accgacgcga 240

gccagctgcc caagtggaac tacgacggct ccagcaccgg ccaggctccc ggagaggaca 300

gcgaagtcat cctctacccc caggccattt tcaaggaccc gttcaagagg ggtgacaacc 360

tccttgttat gtgcgactgc tacacacccc a 391

<210> 6723
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g08b2

<400> 6723

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ctcatccgcc ccgagatgct ccgcctgaag gccttcgagc cgatccttct cgccggcagg 180

tcccgcttca aggacatcga catgcgtatc cgcgtccgcg gcggagggaa gacgagccag 240

atctactcca tccgccaggc catcgcgaag tctctcgtcg cctactacca gaag 294

<210> 6724
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g09b2

<400> 6724

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tttagatcgc ctactattct gcttgaataa tgtgtctctc attgtacggt ggattctatt 120

atcgttctgc agtttttcgt tcgggcatat atacattgcc ccatcttatg tttaagttga 180

tattgaaaca tgattattta gtactagaag acagtatact tggttatctg cagttatttc 240

acatttattt atctttgatt gaatgtctgg ttgctcaa 278

<210> 6725
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g10b2

<400> 6725

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ctccttgcag cagcagtagc tagtgatcac ttgaccctgc agcaggctgc ggctgccgcc 180

gatgaattac aaggccgacc gcagcagggg ctggggcgtc cgggttgccg ggacaagtgc 240

ggcgacatga gcatcccgtt ccccttcggc atggacaagc ccggctgctt cctacccggc 300

ttcgaggtca cctgcaacac ctactgcact ccgcctcgcg ccttccttgc ctacaaccac 360

agggagccac cataccagga gatttaccag tatgcattcg gcactgaga 409

<210> 6726
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g12b2

<400> 6726

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gatagcagct gccggaaaag ttactaagtt ctgtaggata ttaagtccac agcttgcaat 180

tcagcacatt ctgccgtgtg ttaaggaatt gtcatcagat tcgtctcagc atgttcgctc 240

agctttggct tcagtcatca tgggaatggc ccctgtcttg gggaaggatg ctaccattga 300

acaacttctt cctatttttc tttctttgct gaaggatgaa tttcctgatg ttcgactcaa 360

cataatcagc aagcttgatc aagttaatca ggtcattgga attgac 406

<210> 6727
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h01b2

<400> 6727

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cacgaggcgg cggggcacgt ggtgacggtg gagctcaaga ccggcgaggt ctaccggggc 180

tccatgatcg agtgcgagga caactggaac tgccagatcg agaacatcac cttcaccgac 240

aaggacggca aggtgtcgca gctggagcac gt 272

<210> 6728
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h02b2

<400> 6728

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cacgaggcgg cggggcacgt ggtgacggtg gagctcaaga ccggcgaggt ctaccggggc 180

tccatgatcg agtgcgagga caactggaac tgccagatcg agaacatcac cttcaccgcc 240

aaggacggca aggtgtcgca gctggagcac gtcttcatca ggggcagca 289

<210> 6729
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h04b2

<400> 6729

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<210> 6730
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h05b2

<400> 6730

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agaaggcttg gaggaagaag cgaaagtatg agctcggccg ccagccagcc aacactaagc 120

tttcaagcaa caagacagtg aggagggtcc gtgttcgcgg aggtaacgtg aagtggaggg 180

ctctccgtct tgacactggt aacttctcat ggggtagtga ggctgtgacc cgcaagaccc 240

gtctcctgga tgtggtttac aattcgtcaa acaatgagct tgtgaggact cagacccttg 300

tcaagaatgc cattgtgcaa gttgatgctg ccccccttcaa gcagtggtac ctgactcatt 360

at 362

<210> 6731
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h06b2

<400> 6731

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acgagaacct gaccttcgag acctcggcgg gggtggaggt ggtcggcagc ttcgacgcca 180

tggggatccg cgaggacctg ctccgcggca tctacggcta cggcttcgag aagccctccg 240

ccatccagca gcgggccgtc atccccatca tcaccggccg cgacgtcatc gcccaggccc 300

agtccggcac cggcaagacc tccatgatct ccc 333

<210> 6732
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h07b2

<400> 6732

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gcggcggcgg aaggaaggaa gggagtcggg aagatgagcc gcagccttgg gatcccggtg 120

aagctgctgc acgaggcggc ggggcacgtg gtgacggtgg agctcaagac cggcgaggtc 180

taccggggct ccatgatcga gtgcgaggac aactggaact gccagatcga gaacatcacc 240

ttcaccgaca aggacggcaa ggtgtcgcag ctggagcacg t 281

<210> 6733
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h09b2

<400> 6733

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ccagcggcga tgcaaagtat tcgacgagcc tgcgtaccgg cggcaagtcg ggccgcagga 120

ccggggacaa gtttgctcgg ggcatcaaag aacatcttaa gtcctccttc agtccttctc 180

tagtccatct ggataaatct ttgtagctct ggttgtgaat tagacactga acatatgttt 240

ctgcagtgac tctcggccca aagctgtacg agaccgtgag gggaaagctg tcgctgggcg 300

ccagaatcct ccaggccggc ggcgtggaga aa 332

<210> 6734
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h10b2

<400> 6734

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aagaatcgca cgggcggatg gcgcgcgtgc cgcgcagttc tcggaaccga gttctgctac 180

tgcctagcgt tctacggcat ctcctacaac ctcgtcacgt acctcaccgg cgtcctgggc 240

cagagcaacg tcgccgcggc gaggaacgtg tccacctggc aggccacctg cttcctcatg 300

cccctc 306

<210> 6735
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h11b2

<400> 6735

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<210> 6736
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h12b2

<400> 6736

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tgccggagat gtcgttctcc tccttgtcca aggccagatt cgagggtaaa ggaggcggag 180

ccgggagatc catatcgctg cccgcctcca gggccaagct cgccgcagcc accaagaaag 240

ctactactac tagtacagcc ggaggcgggc ggggcaaggg caaggcggcc aagaaggtct 300

tctccctcac cggccagaag ttcgaaacac cagatgagag ggagcccctg aggatcttct 360

atgaatcgct ctccaaccag atcccatcca gcgacatggc cgaattctgg ctaatggagc 420

ac 422

<210> 6737
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a02b1

<400> 6737

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agacatcaca gaacaggaag ctaagaaggg gctagtttgc cgtgtgcatt caactgaaaa 120

aagcaaattt aagctgcttt attttgagct cgaagaaaat ggtgggttga gccttgcact 180

tcaggaagat agtgtaaagg ccagcaaagt ttcttctgca ggaatgtact ttcttgggtt 240

ccctgtgtat tcgcttgagc aaaataactc agttctttgt ttgcacatca ccatggcagg 300

gttacattct taaacaacac gatt 324

<210> 6738
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a03b1

<400> 6738

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gccggtgccg ccggaggacg acgtctgcta cgtatgccac taccgctttc ggatcccctg 180

ccaggccaac tgctcccact ggttctgcgg agagtgcatt attcgtgttt ggaacccatgg 240

agctgctgta cagccttgca agtgtcccat ttgccgacgc cttataaatt tgctggtacc 300

tgctaatgta tcacacgatc acaatgatga tccccaa 337

<210> 6739
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a06b1

<400> 6739

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accactctgc tgcaatccaa tttcttgtcc tttcctgcgc accaatttcc ccatttttgc 180

gcggaaaggt tcaggcggcc ttcgatcgat ttgatgttct tgcccaagcg ctgaatttct 240

tggggtttct gaggctttag aagcttgtta gatcgacgga gatgcaccta gctctcagct 300

ccgatcactc agctg 315

<210> 6740
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a07b1

<400> 6740

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ggtcggcgat gatggtcgat ggggcgagga ggctgagccg atgaccccgg cggcggcgga 180

ggggtcccag gggctcgagg accgacgtct gatgcagtcg tggttcctcg tcgtcaagag 240

ctagatcgag cgcccgacgg tgtagccgtc cagaggaaga ggaagaaca 289

<210> 6741
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a10b1

<400> 6741

tctgagaaca acttacaccg actatgccgg tggtattgat cctaaaaatc tatcccggtc 60

aagtagtggc tacatcggga aattgaggtc aaatttcctc ggcaccaaat tcatcatgta 120

cgacacgcag ccgccttaca atgccagtaa actctgcccg caggaacgga ccagtcggcg 180

gttctcctcc aggaaagtct ccccaaaagt tccagctgca actggcagct acccgatcgc 240

tcaggtgaac tatgagctga acgtgctcgg cac 273

<210> 6742
<211> 313

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a11b1

<400> 6742

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cactaaccgg cggcggtacg gcccctacgg ggacgagtac ggcacctact tctccaccag 120

cttcgccgac gggcgggtcg tggggttcca cggccgggag ggctggtaca tcgactgcat 180

cggcgtgcat gtccagcggg gcaaggtgcc gtcgtccctc aggcgggcca gcagcaggag 240

cccgtcgccg gcgccgcggt ccgactacga cccgagcgac gtggacgagg aggttcccta 300

cgcggtcatg gtg 313

<210> 6743
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b01b1

<400> 6743

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gcaggagatg gcggacgcga agcagcatca ggccgcggcg cccaccgg 108

<210> 6744
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b02b1

<400> 6744

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gccgctcgcc cacatctgcc agccgactcg cgcgcgccgg ccgaaaaggg tatcccatca 120

tggatgcagc aaaggacaca aacccgtcat gtaaactcca cacaagactg agactctggg 180

agtttgcaga ccggtatata ttcgaaccaa ttgatggtct tgctgactta tatttgacag 240

ctagcccggc cagtggatca atgaattcag ctgaagagtt ggcaccacgt agcccctcca 300

ta 302

<210> 6745
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b03b1

<400> 6745

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agaaatcatt cgcgcctaag aggacgttta tgactggatg gtttttgaag actgccaact 120

ggaagagctc accttgcata cacatgaatg cacggagcaa acgtcgcggc tcttcattat 180

gcttcattat gctgtggatg cttgtgttac ccaacctctg gataatatgc agcggcagta 240

ttcataaaca cgttctcctg ccagggttca gtggctcaga aatggattac atcgataaca 300

atggaatatt tctgctctct aatggatc 328

<210> 6746
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b04b1

<400> 6746

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taaaggtttg taccaatcaa ttaagattgc caatgggttc agcaacattc atttgggtct 180

agcatgtcat ggtttcgagg agtatgtatt gaggactcgc cttt 224

<210> 6747
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b05b1

<400> 6747

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gggatccact ccatcttgtc cggccagcgg ttgacgacgg agatgaatgt cgaaaccacg 180

attgcggcct gcgaggtaga aaaggcagtg gaggaggctc tccaggaagt agagaggaat 240

cagctgcctg acagcgaggc cccgtttccc ggaagcagga ccgcctggcc tcaaacatca 300

cacgtgcaaa atgtgtgctg agaggtttct aaccacaaga gtcatgagac ccatc 355

<210> 6748
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b06b1

<400> 6748

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cggcgcaggg cggcggcgcg gacgagaagg actacaagga gccgcccccg gccccttct 180

tcgaggccgg ggagctcacc tcctggtcct tctaccgggc cggcatcgac gagttcctgg 240

ccaccttcct cttcctctac atctgggtgc tcaccacgat gggcgtggtg ggcaacccgt 300

cggggtccaa gtgcggcacg gtc 323

<210> 6749
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b08b1

<400> 6749

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acgttcccga gggcggtcaa cggatccctt tccttctgcg gctacaacgg cactgcctgc 180

tgcaacacga cggacgacgc cgctgtccgg aggcagtttg ccgcaatgaa catctcaggc 240

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gagctcttca ccgtcgggac aagccctcgg ac 332

<210> 6750
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b09b1

<400> 6750

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gtgttccacg tcgacatgat catgctcgcg cacaaccccg gcggcaggga gaggcacgag 120

agggagttcg aggccctggc caagggcgcc ggcttcgccg gcatcaagac cacctacatc 180

tacgccaacg cattcgccat ctagttcacc aagtagatcc a 221

<210> 6751
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b10b1

<400> 6751

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aagagaggaa agaaatcgaa gaggcagaga aacagaggga ggcagagatg ggaagaagaa 120

gaagcccggc tctgccgctg ctggtgatct tcggcatcct cgccggcgtc ctcgcagctc 180

ttcctcccct cgccgaatcc aggagcaggc accaccacca ccaccaccaa ggtcacgggc 240

accactcccg tgtgcaaagc agatggcacg gaggagaggg agagcagtcg 290

<210> 6752
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b11b1

<400> 6752

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gagcttcagc gcttcggaat cgcagcgatc acccagacct tgtgtcatat cgatgtagtt 120

tgaacttgtc tgccaaactg cgtgggaata aattgtcgat gtgcatttct tcatgtactt 180

tatgtgtggt gcaagtgact tcagagtttt ccagtcaaat tggtggttgc gttgcaaaca 240

ttctgagatt gttgaaggaa aatggtgtgg gtggtatttg tgtgaatcat cattaccttg 300

tgaaatcaac aggcaagtgt ttttttt 327

<210> 6753
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c01b1

<400> 6753

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caagcaagga tagcgtgggc caatacgagc ctcacatggc tttcaccctc cc 112

<210> 6754
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c02b1

<400> 6754

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aagaagaaga agaagaagga gaagaagaag aagcaagaag atggcggacg aggggaccgc 120

caactgcatc gacatcatgc tcgccatgat cctgccgccg ctcggcgtct tcttcaagtt 180

cgcctgcggg atcgagttct ggatctgctt gctgctcacc ttcttcggct acctccccgg 240

catcatctac gccgtctggg tcatcaccaa gtaggactgc atgcaggag 289

<210> 6755
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c03b1

<400> 6755

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gaccgcaggc atgggcgtct tgacc 85

<210> 6756
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c04b1

<400> 6756

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atgcgtacgc cgactccgtc gcgccgaggg acggcgaccc tgcaaaggtc cccgacttcc 180

tggaggggat ggtgtacagc gcgacggagg gcagcatgat gaccg 225

<210> 6757
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c05b1

<400> 6757

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accttgtcgg cggctgcaaa agccacgggt acggcggcca ggggcacgga tgcgaccagg 180

gctacggtgg ccacggtcag cagcagcacg ggtacgtgag ccacgggcag cacgggtacc 240

c 241

<210> 6758
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c07b1

<400> 6758

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agatggacac tcgaccaatg atacctggca tggaactgta ctctcgagca ttacacctga 180

tacaaaagct gcgatattca aggatgcgta cgcgatctat gggag 225

<210> 6759
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c08b1

<400> 6759

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ctcggcctcg gtggcggacg gtggggacgg ggagctgact gcgcgggaga ggcgggagag 180

gctgagggag gcgcgggagc tgaaggcgcg ggactggaag gaggaggtgg aggagcggct 240

catcca 246

<210> 6760
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c09b1

<400> 6760

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gcggcatggc ggatcagctc accgacgacc agatcgccga gtgtcaagga ggccttcagc 180

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tcgctggggc agaacccaac ggaggctgag ctccaggaca tgat 284

<210> 6761
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c10b1

<400> 6761

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ccagattcca tcaagacttt cgcagaagcc ctggacacca ccaagactgt tatctggaac 120

ggtcctatgg gagtctttga gtttgagaag tttgccgcag gcactgatgc aatcgcgaag 180

cagttggctg agcttactgg gaagggtgtc acgaccatca ttggtggagg tgac 234

<210> 6762
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c12b1

<400> 6762

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acacacatga ccttcagcgt ctcgccggcg atggaggggg ggcaagggca cgagtacatg 120

atccgcttcg acagccactt cgacgacccg tcgccgagca ccgccaccgc cgagccgtcg 180

ccgtttgccg gaaggtcgat ctcgccggag caggagcacg gcgccatggt cgccgcgctg 240

ctgcacgtca tctccgggta caccacgcct gcaccggact tcttcttccc 290

<210> 6763
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d01b1

<400> 6763

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tggcgtccac tcgcgtgctc cacctcatcg ccctcgtcct cgccgtcgcc accgccgcag 120

atgcggccac catcaccgtc gtcaaccggt gctcctacac ggtgtggccg ggcgcgctgc 180

caggcggagg cgtgcgtctc gacccgggcc agtcttgggc gctgaacatg cccgc 235

<210> 6764
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d02b1

<400> 6764

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ggatgaagct gatgaaatgc tttcacgtgg tttcaaggat cagatctatg atatcttcca 180

gcttcttcca tcaaagattc aggttggggt gttctcagca accatg 226

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<223> Clone ID: uC-tsrow189003d03b1

<400> 6765

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gcggcggcgg cggcgatcta ccggctgccg gaggagtgcg tggcgcacgc gatcgcgatg 180

actacgccgg gggacgcgct cagctcctcc gccgtgtccc cggcgttccg ggccg 235

<210> 6766
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<212> DNA
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<223> Clone ID: uC-tsrow189003d04b1

<400> 6766

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gagccatact gtgccgattt atgagggata tgcacttcct catgctattc tgcggctgga 180

tcttgcgggc cgtgatctga ccgattgcct gatgaagatc ctcacagaga ggggctattg 240

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<212> DNA
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<223> Clone ID: uC-tsrow189003d05b1

<400> 6767

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ggccatcatg aatgcagctc tgttcaagga gaagatcatt gagctcatcg taacatgtga 180

gagctatgag ataagtgcca tggtgcagaa ggaggtgctc aaggaagata tcacccgaag 240

gaattcgtat gtggacgagc tgaaagacaa actaaatgct gtagagattg agaacagaag 300

actgaaggtc gatc 314

<210> 6768
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d06b1

<400> 6768

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atcgtggcca agagagagaa tgccatgaga gccggcgagg ccacgagcga cgaccttctc 180

ggtgtgctgc tcgagtccaa catg 204

<210> 6769
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d07b1

<400> 6769

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acgtcgctga tatggtcaat ggtcttatga agctgatgaa tggagacaac accggaccca 180

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tgatcaaccc agaagtgaca 260

<210> 6770
<211> 326

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d08b1

<400> 6770

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gctcaacccg tacaacgtgg tcgccgcgcg gagcgcggcg gagcacctgg gcatgacgga 180

ggacgtggac aagagcaacc tcgtgttcaa gatcgaggtg ttcctcaact cgggcgtctt 240

ccggagctgg aaggactgca tcatcgcgct gcagagcacc atcgcgctgc tgccgtggtc 300

cgaggacctc aggctcgtcg cgcgct 326

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<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d09b1

<400> 6771

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agggtccata cggccagatt gacgggccta aactctggct tcactcggat ttatgtgaat 180

ataagcgtaa gaggtctagt ggcaatgcta caaaatcatt gcaggcgtga gtatccggat 240

tgcactactg ctggccgttt cttgcgattg cgtacaacag gcttgtgaca aagccaagtc 300

atggcctcat taggcccctt ttttcagcca aactgaaagc acttcatgtt agc 353

<210> 6772
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d10b1

<400> 6772

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ctgcagcctg cagcgcctcc tgctgtcgac cgtggacgag ctatggcgag gggcgccaca 180

ctggtgcggt cgccgccgcg agcatgggca cggttaggcc gctccaccac ggcgccgcg 240

gggaggggcc ggcgggcgca gatggcctga gat 273

<210> 6773
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d11b1

<400> 6773

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gctcgccggc gtggcactgg gaggggcgc ggcggagggg gccggcgagt gctggaggtc 180

ctcccccgac cggatggccc tg 202

<210> 6774
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d12b1

<400> 6774

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ttcaagctct gcaaggtcag gtctgtccag tttggccaga agggcatccc atacctcaac 180

acctatgatg gccgcaccat ccgctaccca gacccactca tcaaggccaa tgacaccatc 240

aagcttgacc tggagaccaa caagattgtt gacttcatca agtttgacgt cggcaacgtg 300

gtcatggtga ctggtgggcg caacactggg cgtgttggtg tgatcaagaa cagggagaag 360

cata 364

<210> 6775
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e02b1

<400> 6775

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ccacccggcg cgcgcagcag actaccgact aaccaaccat tctcaccatt aaccaccaat 120

tcctcccgtg acagggagga cgccgagagg cagcgaagaa ggaaggaagg aggcaaggtt 180

gagacaacag ccagcaatgg agaaggcgct cgacaggcag aggatcctgc tgcggcacct 240

ggagc 245

<210> 6776
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e03b1

<400> 6776

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ttggcgtctc tatgtcacct ggagaatctg 90

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<211> 307
<212> DNA
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<223> Clone ID: uC-tsrow189003e05b1

<400> 6777

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tcgcccaacg tgccacccac ggagttcccg ccctccgtcc actcgcacca ctacccggc 180

tgggccggac ggtaccctta cgggctccag ccgtccatgc ccacgcccta cgtcgagcac 240

cagaaggccg tgaccatccg caacgacgtc aacctcaaga aggagacgct ccggattgag 300

ctcgatg 307

<210> 6778
<211> 183

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e06b1

<400> 6778

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agctgcccgt gctcggcgcc agcctccact ggacgtacca cgcctggaac ggcacggccg 120

acatcgcctt ccgggcgccg tacggcgccg acgggtgggt cggctggggc atcaacccca 180

gcg 183

<210> 6779
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e07b1

<400> 6779

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gtgggacgac atccagcgca aactcgggaa cctgcccgag aagccggagc ccttcaagcc 120

gccgcccttc gcccccaggg tcgacgccga cgagcagccc aagtccaagg agtggctcga 180

cgcgcgcgac cccgacgagc tcgaggagct cgaggacgac ctcgacgatg accgcttcct 240

ggagcagtac aggaggatga ggcttgcaga gctcaaggag gcagcaaaga ctgccagatt 300

cggcacagta cagcccatca caggctctga tttt 334

<210> 6780
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e08b1

<400> 6780

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gcaacgacgg tcatgggtac ccacccggtg gccaggggg ataccctccg caagggtacc 180

cgccgcagca gggaggttac cctccacagc aaggataccc gcctgcacct ggagcttacc 240

cacctgcacc tggggcatac cctcctgcac ctggggcata ccctcctgca cccggagcgg 300

gtggcagtga ctgggagaag gtgctcctct ccaacatcat gcacggtgtt gccggtgctc 360

at 362

<210> 6781
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e09b1

<400> 6781

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ctccccccac cgttcgcccc gcggcggagc cctgcaacaa cctcttcgtc tcaggtttga 180

ataagc 186

<210> 6782
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e10b1

<400> 6782

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gagttcaagc aactcaatgt ccatgcatgg gaggcttttg acaaggggca ggatttccat 120

atgcaagcag ctccatctca agctgaacta ctgtacaaga gtttcaagat caagaaggag 180

aagttgaaat ctgaaagcaa ggacaaaatt atggagaagt atgggaatgc tgcatctgac 240

gaaccaatcc ctcgtgagct tcttcttggg caaagtgaaa aagagattga gtatgaccgg 300

actggtcgca taatcaaagg acaggatgta gctcttgcta agagcaaata tgaagagga 359

<210> 6783
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e11b1

<400> 6783

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tgagtgcaca tgcgtgttgt cacacacgaa ctcaaaaatg tttcagattg tg 172

<210> 6784
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e12b1

<400> 6784

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tagttgccta ctgattcctc ttttgcttgg gtgtggaagg atggcagagc actctgagaa 120

tgcggcagag aacatgatga gcggcatcat ggacgccatt gccgacaagc tccccaagca 180

aaagtctgtc aggttcgacg atgagggctc catttccggc caagccaaga agctcttcgg 240

cggccacaag tctgttcacc acatcctc 268

<210> 6785
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f01b1

<400> 6785

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tccaaacgtc gtagccttct atggcgtggt gaaggacggg ccgggcggta ccctggcgac 120

tctgaccgag ttcatggtga atggttctct tcggcatgtc ttgcagcgga aggacaagtg 180

tcctgatctc 190

<210> 6786
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f02b1

<400> 6786

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aactacgacg gcctcaacag gccgcccgcg tcgtttgacc tccacatcgg cgtcaacttc 180

tggaagacgg tgaacatttc aacgtggggg gcagaccagg gaaacactgc agtggtggaa 240

gccatcg 247

<210> 6787
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f03b1

<400> 6787

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cagcactgca gcattgcgct agtgtcatag ctcgatcggc gcaggctatc tagctagtag 120

cgtcgacccc cgccctcccg gagcgcagcg tctggcaggg tgcgcgagat ggcg 174

<210> 6788
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f05b1

<400> 6788

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gaagcggcag ccatggcccc caaggcagac aagaagcccg tcgccgagaa caaggtggag 120

aaggcggcgg agaaaacccc cgccggcaag aagcccaagg ccgagaagcg gctgccggcg 180

ggcaagactg cgtccaagga ggccggcggc gaggccaaga cgaggggccg gaagaagggc 240

agcaaggcca agaagagcgt cgagacgtac aagatctaca tcttcaaggt gctgaagcag 300

gtccaccccg acatcggcat ctcctgcaag gccatgtcca tcatgaactc cttcatcaac 360

gacat 365

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f06b1

<400> 6789

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cgccgccgat ccagccgggg aaaattacta ccccacagtc acgaccgcgc acggcgacgg 120

cggccacaca gcataccccg ccgccacgat gccgtccgcc tccagcgccg tgccacccgc 180

cgcggcgccg ggagacgagt cccaatccca gaaggtcctc ctcggcaggt acgagctggg 240

cgggctcctc ggccgcgggg cgttcgccaa ggtgtaccgg gccagggacc tcctcac 297

<210> 6790
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f07b1

<400> 6790

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gaggtgcaag gccaactctg aggccaccct gggtacctac aagggcgatg ccaccctctg 120

cgagggggcc tctgagagcc tccacgtcaa ggactacaag tactgatctg ccttcggtgc 180

ggtggcctgt ttgggtgtcc tgcttaccag tattatcgtt tggttttcag agtcttgata 240

tatacttcgg atatccaacc tagtatggaa cttgtgctct caaaatagct 290

<210> 6791
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f08b1

<400> 6791

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ccaccatcga ccgcgtcaag ctcttcgacg ccaacc 216

<210> 6792
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f09b1

<400> 6792

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cgggggggag gggaggctga tgatccggca ggtgtgggcg aacaacgtgg agtcggagtt 120

ccaggcgatc cggcaggtgg cggagcggtt cccgtacgtg tccatggaca cggagttccc 180

gggcgtgatc cactgcccaa gcaagcacca cgcgacgctg acc 223

<210> 6793
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f10b1

<400> 6793

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caccagaaac gaatagcaga gaatttcctg actacagcac aaagaaacag aaaaatttct 120

gacttttttc cccagtggat tagctttctc cggttgttaa ttccgagacg agatgccggc 180

gtcggggtgc atcatcggtc ctcctcggcc cggtcctacc agcagccgcc gtcggcccgg 240

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agggaggtaa gcaac 315

<210> 6794
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f12b1

<400> 6794

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ccatcctcga cgccgccgcc gccgccggga aggagtttga tttgttgagg ggagttttgg 180

atgggggacc atgtggtg 198

<210> 6795
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g04b1

<400> 6795

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cgtctaccgg atgaaggagc ggtgcgagcg caccaaggcc gtctgggcgc tcccgctccg 180

cccctacggc ttctggacct tcgaccgctt caactcccag ctctcctggg accccagat 240

cagccagg 248

<210> 6796
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g05b1

<400> 6796

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tacttttcct cttctaaagc gttgatgcat gcaacgttct tccggagcta aagcctagag 120

cttctgctgc tgtaagcgac agggtataaa ttcttatgac aaatgttcaa gttgttgaaa 180

tgaatccaaa gaagccagtc tattgttgta tcaacaagta cattgc 226

<210> 6797
<211> 315
<212> DNA
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<223> Clone ID: uC-tsrow189003g06b1

<400> 6797

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tctcacaatt atgtgctgaa cagaatttat aggtatggca tctggaggat gaattaatca 120

gcccttgcct gttggaagaa ctaccgaatc aaggtgatca aatagacgat ctgaaaatac 180

tgttcgactg tatctgcgaa gctctaacag agatccagga gagatatttt agactctctt 240

cttggttgac gtttctcaaa cacgacatac gggcacctac aatgggagaa gacctcgtcg 300

cagaagttga caaat 315

<210> 6798
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g07b1

<400> 6798

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tggagccctg gatctcgcgt ctggccttgg cgggaagatc gacaaggaac aagtcaaatc 180

ggcggtcgac gagtatgaga aatatcatgg atactacgga gggaaggagg aatcgaggaa 240

atccaactac accgatatgg ataataaata ttatgatctt gctactagct tctatgagta 300

tggctggggt 310

<210> 6799
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g09b1

<400> 6799

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accaagggcg aggggccggc catcggcatc gacctcggca ccacctactc gtgcgtcggc 180

gtgtggcagc acgaccgcgt tgagatcatc gccaacgacc agg 223

<210> 6800
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g11b1

<400> 6800

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atttagtctg ttattcttat catctgcttt cctaaccacg aaactgagac tatgtatttt 120

atttgtcctt tttacacacc cttattgtgt tattcactcc cttttagttg ttgatttatt 180

tgaaaatgta ttgcttgcca gcttttgcat tgtcattatc ttgaaatcaa cttaaatgtg 240

tgtgtgaact gctaacttgg ttcttcctcc cggatgtgat tccttagacc tttcatcatc 300

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gttcttgttc tggcattttg attgaaaaac tggaatcct 399

<210> 6801
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h01b1

<400> 6801

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ccgttcgccc cgagcggtgg cacgaacgag gccaggaact gatgaagcaa ccgcagggtt 180

ttccagtagg atagatggat cgatctctac aagagaaatc gttcagcata catatgctca 240

ctggctgata gtttgttctg ctttgcagta 270

<210> 6802
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h04b1

<400> 6802

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gaaatcataa ccataaacga tcattcatgc gaagccattt ctgatgccaa gagcagtccg 120

gaggtaacca ctgacagaga attggttgtt tcgtctcatc aagcagttga tgatactgag 180

aggagcccac agccatcaga gagggaactt gtcggtacga gtggtcatcc acctgagctt 240

gtttctcttg acagagaaga agcagccagt acgaatggtc agtcagacgc tgatgacaag 300

agaagcccag agcatccgga gcagaaattt gttttggtag aaggtcactc gcatgaactt 360

atatctgatg tttggaaaga aattgctggt 390

<210> 6803
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h05b1

<400> 6803

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aggcagcggg tgatccagcg cctgcaagcg gcgatcgagc ggcgcgcgtc cgagggcgtg 120

aggctggagc tgcgcatctc cgaccgccgc gggctgctgg cctacgtgac gcgcgtgttc 180

cgggagaaca gcctctcggt cacgcacgcc gagatcacca cccggggcga catggcc 237

<210> 6804
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h06b1

<400> 6804

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ggagattgca cacatcgaga agaggacggg caagaaggac aaggacaaga agcccgggat 120

catcgtggtc cagggcccca agcctgggaa ggccacagac atggcacgga tgcgccagat 180

cctgtcgaag ctgaagcaca caccaccgcc acacatgaag ccacctgcac cacccgacgt 240

ggcacccgtc gggaaggacg gagctccggc cgccgctgga aaggacggag ctaaggcggc 300

agcg 304

<210> 6805
<211> 281
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189003h07b1

<400> 6805

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tggattgtac ttcttgttat ggtcctcctg ttcaagcttt tcaccgcaac tccaaggaag 120

tcaactgcct tgccgatatt tattcggttt ctacagggcc tccttgcaat tggcatcatt 180

gcagcaattg catgccttat tggatttaca gactttacaa ttgctgattt atttgcaagt 240

gcactagctn tcttagcaac tggatggtgt atcttatgtc t 281

<210> 6806
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h09b1

<400> 6806

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ggaagacggc gtgcgtcacc ggagggagcg ggtacatcgc gtcggcgctg gtcaagatgc 180

tgctggagaa gggctacgcc gtgaagacca cc 212

<210> 6807
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h10b1

<400> 6807

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ccggaatggg gcggtcgccg tgctgcgaga aggagcacac caacaagggg gcctggacca 180

aggaggagga ccagcggctg gtcgcctaca tcagggccaa cggcgagggc tgctggcgct 240

cgctgcccaa ggcggccggc ctgctccgct gcggcaagaa gctgcgcctg cgctggatga 300

actacctgcg tgccgacctc aagcgcggca acttcaccg 339

<210> 6808
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h11b1

<400> 6808

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acaattggaa tgcaaataat ccaatagact ggatttccga tatgtttgtc ggggtccgag 180

ggtctacggt tttgcatgcc aatgttgtgg gacaaagcgg taatacagtc caggtgaatt 240

ccttttctgc tgcacgtgct tatgtcccat tgcccaatct tccgggaaac tccaatacga 300

tttctacttc ggtttccgtc actgctggtc tcattaatga tatcagtcgc gacgcattat 360

cgaatgcacc atctaccgga agtgggctca gtctcactaa ctgtgcaaca cagtca 416

<210> 6809
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h12b1

<400> 6809

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cgaagaggag aagcacggcg acctagcccg agctcgcaac catggctagg ggtttgaaga 120

agcatctgaa gaggctcaat gccccgtctc attggatgct tgacaagctt ggtggagctt 180

ttgcccccaa gccatcatcc ggtcctcaca aggccaggga gtgcctgcct ctgatcctca 240

tcctgaggaa cagactgaaa tatgctctca cctaccgtga agtgcaatct atccttatgc 300

agcgtcatat tatggttgat ggaaaggtcc gcactgacaa gacctaccct gctggttcca 360

tggacatca 369

<210> 6810
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a01b1

<400> 6810

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cccgcggcca tggagggcaa ggaggaggac gtgcggctgg gcgcgaaccg ctactcggag 120

caccagccca tcggcacggc ggcgcagggc ggcggcgcgg acgagaagga ctacaaggag 180

ccgccccccgg ccccccttctt cgaggccggg gagctcacct cctggtcctt ctaccgggcc 240

ggca 244

<210> 6811
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a02b1

<400> 6811

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tatcccatga ataccgccgt aggaggaaag aagagactga tgtagctcga agtaggatag 120

aaacatatgt aaggtcttca ctccgtacag cttttgctca aagaatggaa gaagcagatt 180

caaagcgatc atcgaggaac cctaccccag ttatgtctat ccttgcaaag gacattggtg 240

acctagcaat taaggagaaa aatctgtaca gtccaatatt gaagacatgg catcccc 297

<210> 6812
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a03b1

<400> 6812

tggacgcgtg ggcgcctcca cacgagaaga gagactcagc agcaacccac gccaagagca 60

ggcagctccg tcctagcacc aaccaatggc gacgtcgcgg gcggacgtgg agaagggcgg 120

gtcgtcgccg aggaaggcga agcaggagcc gggcaaggtg ccgtcgccgc tgtaccgca 180

gcacgagggg gagcgggagt ggacgccctg gctggtgccc tccatcctgg tcgccaacat 240

caccgtcttc accatcgcca tgtactacaa caactgcccc gcccacaacg ccaagccggg 300

gcgcgacggc cagtgc 316

<210> 6813
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a04b1

<400> 6813

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cctcatcatc gtgtccgggc tggacctcac ctgcgaccgg cagctgggct acgcggaggg 180

cctccgggag gacgggcacg acgtgaagct ggtgcaccgc gagaaggcca ccatcggctt 240

ctacctgctg tccaacacga accactacca cgaggtgatg gaggagatcg ccgagttcgt 300

ccgagctaac ctcctgtagt acatacacca gcccagtcg 339

<210> 6814
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a05b1

<400> 6814

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gaggaaacgg gggcgacggc ggcttcaggg ccggcggcgg gcggagaggg caagatgacg 120

atggtggtcg gggtggacga gagcgagcac agctactacg cgctgcagtg gacgctcctc 180

cacttcttct ccccgggcca gcagcagcag taccgcctcg tcgtcgtcac ggccaagccc 240

accgccgcgt ccgccgtcgg cctcgccgga ccaggtgccg cggacgtgc 289

<210> 6815
<211> 296
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a06b1

<400> 6815

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ctgcgtggcg acgatgaagc tggttcgacc agattagtac agccagcagt gtgcgatgtc 120

aaccaccatg atgaatctga gctcggcgcg gttcgttgcg agttgagacg ggatctacaa 180

actgaatctg tctccccgtt gaagaccctc tctgttaaaa gactcacgga agaaacaaaa 240

tgagagaaat ggcggagact gctcttcttc ttgtcacaac aaagatcgga atagct 296

<210> 6816
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a07b1

<400> 6816

ttggcacgag atttcaccgg ccgggagcac acggtaagat aaggacggtg agcgcaaagg 60

agatcaccgt gactcgacgc accatgccgt g 91

<210> 6817
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a08b1

<400> 6817

tcttccagct caagctcaag aagcttcacc aatctcccta gcaagctcaa gaagcttcat 60

cagctagatt agattagcgc ataacattct tggcctctcc aatcctctgt ctctgtctct 120

actcagctag ctaccagatc cccggaaacc ggagagcgca gatggcaagc agatccgccg 180

agcttctctc gaggatggcc gccggcgacg gccacggcga gaactcgtcc tacttcgacg 240

ggtggaaggc gtacgacatg aacccccttcc acccgcagga caaccgcggg ggc 293

<210> 6818
<211> 278
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189004a09b1

<400> 6818

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gagtatgttg tgacaagatg gtacagggca ccagagcttc tgttgaactc ctttgaatat 120

actgcagcaa ttgatgtgtg gtctgtgggc tgtatattta tggaactgat ggatcggaaa 180

cctttgtttc cgggaaggga ccatgtccat cagctacgcc tactaatgga gcttattgga 240

acaccaaatg aggccgattt ggattttgta aatgaaaa 278

<210> 6819
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b01b1

<400> 6819

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ctgtctcgct ggaaagaaag ccttcaacaa ggtggccagg accagagacc agacagggaa 120

ggaggtgctg tgtgctctac ctgtactgta aaagattcat cccatggccg cggagtctgc 180

ctggtgctgg ccgtggctca gctccggcac ggcgtggttc ctcttcttca acgtcttcgt 240

cggcgccgtg gccgtcctgt cctggcggca gggcagcgac ccggagatgt cgaggcggag 300

gaggctcacc cggagcgcgt cgtccatggt catg 334

<210> 6820
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b02b1

<400> 6820

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gtggacggtg tcggcccggt ggcgtgggac aacaacgtgg ccaggtttgc gcaggactgg 120

gcggcgcagc gcgccggcga ttgccggttc cagcactccg gcgggccgtt cggcgagaac 180

atcttctggg gttccgggca gtcgtggacg gccgtcgacg cggtgaagct gtgggtggac 240

gagaagcaga actaccatct tgacagcaac acc 273

<210> 6821
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b04b1

<400> 6821

gtctcgacca tcaagcttgt tatgacgcac tttgaatttc cgagcaagtc gcagcctttt 60

cagattcatc aacacaggtt acatcagtag tcaatatggt tcggatgcat aatagtacgt 120

acttcatttc ctttttgttg tgtacggtga cctacaacat ggatcatatg taccgcttat 180

ctttcaggtt cagtttgctg tggcgaattc ttcttgaatt tgttgcggca aacttctggt 240

catgtatggt ttttagtttt gtaagcatgc atagtttaga agttagaaag ctcgttcatg 300

tattgttcta aactg 315

<210> 6822
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b05b1

<400> 6822

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gattcaatga tcgagttatg cgtggtagtc catcaataaa ttccacttac tctcaacatg 180

attcaacatg ggttgaagga aggagctgct caacactaga tatttcttat cacaagaaac 240

ggtattctcg gaggagccca cctctgagaa tcacctcaag aaatgacatg ttcgatttaa 300

tggat 305

<210> 6823
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b06b1

<400> 6823

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tgagtttgtt caacccgtcg cgggtgcggc gatgagcctt tcgctggtcg ctgttatttt 120

cacaacggct tattccattg cgcgctttcg ccgtcaactc attcgcgctc agaag 175

<210> 6824
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b07b1

<400> 6824

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agagccagct gcggcgctcg gcggcggcgt cggcggcgcg ctcctcgggg ggcggcgtcg 120

gggccgaggg cgcgggtggg cccgacggcg tctgcgcggg cgcgggggcg ggcgggcgga 180

ccgcctcctc ctccaccttc tggttcctgc tccacgcgtt ctgctgcctc a 231

<210> 6825
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b09b1

<400> 6825

tcttccacgc gtccgcccac gcgtccgggg ggcataattc tttcagaagt gggtcccaca 60

gcaagtgaag atgcgctgaa ccttatttcg tggctttgct catgggaccc acgtaaacgg 120

ccaaccgcag tggaggtttt gcagcatccc ttctttcagc catgctttta tgtccccct 180

tcacttcgtt tcagatcgac cggatatgca acaacaccac catcagttgg ggctaaagga 240

gctatggacc agaagaatgc taggcgatac cctgtgggga ctttatccaa tgggagaccg 300

gcagtcaata actcgtactt gagcac 326

<210> 6826
<211> 229

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b10b1

<400> 6826

taagccaagg ccaagagccc agtgaagcag cggccatgga gggcaaggag gaggacgtgc 60

ggctgggcgc gaaccgctac tcggagcacc agcccatcgg cacggcggcg cagggcggcg 120

gcgcggacga gaaggactac aaggagccgc ccccggcccc cttcttcgag gccggggagc 180

tcacctcctg gtccttctac cgggcgggga tcgccgagtt cctggccac 229

<210> 6827
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b11b1

<400> 6827

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agagagagca gaactcgttg ggagtgctcg agatctgcgt cgggagaggg ggaattcttg 120

agatcggaat cggaacaagc gggcgcgctc gggatcgggg ttacc 165

<210> 6828
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b12b1

<400> 6828

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agaattgcaa gaagtttaag gacttggttg acgagatcgc tgagtcgctt gcaaagaatg 120

agggcggtga aagcgaagaa ggttcttctg cggctggact gctggagaaa cttagtgtaa 180

gcgaaagcaa acctgaggaa agtgcagcta aggaggaatc gactgatgct agcaaggaga 240

cagaaaccaa agccgcaaca gccc 264

<210> 6829
<211> 290

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c01b1

<400> 6829

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atcgcaggaa aagaggtcag aacaggttta gaaggacctg ggctttcagt ttctcaaaag 120

atcttgtact gtattagcac tgttggtggc caatacttat tgtcccgatt gcaatccttt 180

tctgctttcc gtcgatgggg tgattcagaa cagagaccac tagcacatcg tgcttggggc 240

atggtgcagc acgctgaagg actatacaga gctgtttcat tctttaacct 290

<210> 6830
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c02b1

<400> 6830

gtggcggctt tggaggggt agctcgtgag gacgcataca aagcgtggtg aagatgtggt 60

gcataccatg aaggtttcgt tagaagactt gtacaatggt gctaccaaga agctatcttt 120

atcacggaat gttctttgtg gaaaatgcaa gggaaaggga tccaagagcg gggcaacggc 180

tacttgcagt ggttgtcgtg gtgcaggaat gaggatgata acaagacaga tcggacctgg 240

catgatccaa cagatgaata 260

<210> 6831
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c04b1

<400> 6831

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aacagcagct tgtggatcta attgagaagg tttacggtat gataagtgac agcgtgaaga 120

aggaactaaa ccctttactt gaattgtgca tccaggatcc acgaacttct cactcaaatc 180

tggcaaaaag caatacaaat ggcttgggac aacagaacca attagcacat tggttaagca 240

tcgtgaaagt cctcgccaac tatttggatg tattaaaggc gaaccatgtc ccatcaattt 300

tggtgcataa attgttcgta cagatatttt cactga 336

<210> 6832
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c05b1

<400> 6832

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ggatcgagcg attcctccga tcaggagagg ccagccggga ggaagagcac ctacgcggga 120

ggagaggaga tggggctcac gttcaccaag ctgttcagcc gcctgttcgc gaagaaggag 180

atgcggatcc tgatggtggg tctcgacgcc gcgggaaaga ccaccatcct ctacaagctc 240

aagctcggcg agatcgtcac caccatcccc accatcgggt tcaatgttga aactgtggag 300

tacaagaaca tcagcttcac tgtctgggat gtcgggggtc aggacaagat caggccac 358

<210> 6833
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c06b1

<400> 6833

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gatgtcttgc aactgcggat caggctgcag ctgcggctca gactgcaagt gcgggaagat 120

gtaccctgat ctgacggagc agggcagcgc cgccgccgag gtcgccgccg tggtcgtcct 180

cggcgtggcg cctgagaaca aggcgggaca gttcgaggtg gccgtcgggc agtccggcga 240

gggctgcagc tgcggcgaca actg 264

<210> 6834
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c07b1

<400> 6834

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ggttcgtctg ccgggggctc ctctcctctc gtggtcgatc ctggttgagc gtcattgagt 180

taaagggaac atgtttcgga aaaagcaagc ttctcatttc gattcagatg atgctgagca 240

gagacaagca aagatcaagg aactaaaagc tgcacttggg ccttttttctg cccgtggaaa 300

gaaatattgt gatgaagcat g 321

<210> 6835
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c10b1

<400> 6835

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caagattagc tccaacgaac acgaattact gtggattagt gcgaggcttt ggccgcggca 120

aatctggggc ggggcggttg gaagagtcgc ggccgaattg tttggtcgag cagatgatga 180

cggcgaacgc gaaactccag aagcaggcgc tgctgccgcc gcgtagcccg ttcccgacgg 240

cagcgtcgcc gtccccgtac gcagaccatg gcccga 276

<210> 6836
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c11b1

<400> 6836

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gctgcggcgg ctgcaacatg tacccggagg ccgaggccgc cggtgccacc ctccttgtct 180

gcgccaccgc cacccacaag gcgagctccg gcgggatgga gatggcggcc gagaacggcg 240

gctgcggctg caaccagtgc aa 262

<210> 6837
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c12b1

<400> 6837

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ttctggaacg ttcacatgaa agatgccggg cctcatatat ggaggctgcc cttgagaaac 180

aaagttatat tcttc 195

<210> 6838
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d01b1

<400> 6838

gaggccagtt gtggcgtggg tggcgtgtgt gcgtcttcct cctcctgatc ccctctttct 60

ctcaaaccag atgtagctcg aattcatgtt catggagtaa attcgaagac tagtcctaac 120

aatctgcctc caaaatccac tatatatatg ccccccttcga gctaaataac ccttcatcca 180

aacaagccaa ggcaagctac tagccagtac ttggagaaac caacaatggc gccgctcgca 240

gcccggagcc ggaggccagc ctgcctccta gccc 274

<210> 6839
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d02b1

<400> 6839

tgttcacgcg tccgcccacg cgttcgccca cgcgtccgcc cacgcgtccg cccacgcgtc 60

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ccaaggccat gggccgggac ctgcgtgttc atttcaagaa cactagggaa acagcgcttg 180

ccctgaggaa gatgtcgctc aacaaggcca agaggtacct tgaggatgtg ttggcacaca 240

agcaagccat ccccttccgg aggtactgcc gtggtgttg 279

<210> 6840
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d03b1

<400> 6840

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cctccaaagg gcatattgct gtttggacca cctggctctg gcaagaccct tattgcgagg 120

gctgttgcca atgagacggg cgcattcttc ttcctgatca atggcccaga aattatgtcc 180

aagttagcag gagaaagtga gagcaatctc aggaaggcat ttgaagaagc agagaagaat 240

gcaccatcaa tcatcttcat tgatgagatt gattcaatag ccccaaagag agagaagacc 300

aatggagaag 310

<210> 6841
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d04b1

<400> 6841

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gcatcctgtg tcgctcggct gcggggatgg tccgacggcg gtggcctctg tgcggcgcgg 180

gtggtggtcc caggcggcgg tgcttccccg ggctcgcccc gatctgtctc cgcctgggtg 240

tgctgcggca tgcgcagctg gttctgggcg gttccgtctc agatccgcta ggggcgtccc 300

tttcctgcac ctgctgcagc tcggctcccc ctctcgcttg cgtgtgtacg gcgtgggtgc 360

cctggag 367

<210> 6842
<211> 351

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d05b1

<400> 6842

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agccccctgt ctggaccctg cagagacgcc gcccgcagct gatgaagatg atggacgcgt 180

cgaccgcatc agcaacctcc ccgaccccat cctcggtgag atcgtctccc tcctccgcac 240

caaggacggc gcccgcaccc agatcctcgc gtcccggtgg cgccacatct ggcgcaccgc 300

gcctctcaac ctcgactgcc gtcgtctccc cgacgaggag cacgggctca c 351

<210> 6843
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d06b1

<400> 6843

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gtctgcttaa tgcacttttt agaatgttta cctgaatcat agaaacttta tcaaataata 120

ctatatatgc aagtttgttc ccgtgatcct gtttattact ttgtttcttc agttgtttat 180

aatggacaaa cactgcagtt ctccctttt ctagtgtggg tactggtgcc agcattagaa 240

acatgacagt acctttttta gaaaatagag tttgtagatt agaataagca atgtagtatt 300

gatattaatt ccttgggtag tgggcagttt atgtgataat atagtaacta tcgtattact 360

caccatggct ggttacccaa agaacatctt gtggtaggta tgcagcataa a 411

<210> 6844
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d07b1

<400> 6844

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cacgacaggc taatatccca actgttgtgg atggggatgg ccttttcctt ataaccaata 180

acattggtct tgttgaagac aactcacttg ccatcttaac accaaatgta tacgagtaca 240

agcgtcttgt gcagaaggtt cttaactgtg aagtaaatga ggaaaatgct tctgagcaac 300

tgactgcact 310

<210> 6845
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d08b1

<400> 6845

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caaggttgga tggcgccggc ggtgaaggtg tacgggtggg ccgtgtcgcc gttcgtggcg 120

cgcccactgc tgtgcctgga ggaggccggc gtcgagtacg agctcgtgtc catgagccgc 180

gcggccggcg accaccgcca gccggacttc ctcgcccgga acccccttcgg ccaggtcccc 240

gtcctcgagg acggcgacct caccc 265

<210> 6846
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d09b1

<400> 6846

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agcgaccctc caaaatctgt atttacggaa gagtatggct gattctcgat gtcaatcctc 120

gacagaacat gggtataaat tctgtcaaga gtatacatta cctaacaaac aaccacaaca 180

acaatacaaa ctcgaagatc cagagtgggt ggcagatgat gcccgcctgg ctagagcaca 240

agatcgtcta cgcaattatt tgcgttcaca gcaacccgaa gaatttgatg tctttccgga 300

atctctccgt ttggagtta 319

<210> 6847
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d10b1

<400> 6847

tttggacgcg tgggcggcac cggcggcgag tccatctacg gcgagaagtt cgccgacgag 60

aagttcgtcc acaagcacac caagcccggg atcctctcca tggccaacgc gggccccaac 120

accaacggct cccagttctt catctgcacc gtcccctgca attggctcga cggcaagcac 180

gtggtcttcg gcgaggtcgt cgagggcatg gacgtcgtca agaacatcga gaaggtgggc 240

tcccgcagcg gcacctgctc caagcaagtc gtcatcgccg act 283

<210> 6848
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d11b1

<400> 6848

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gagtgtgcgt gcacgtaagg atgtgcttcg gctgccgtgt ccccgccaag ctctggtggt 120

gagagttcga ggacaggccg cgcacgtacg tacgtgtgat cagtacattc catactgctg 180

tgccgcccgt gtctagcttc ttgccggcgg tcgacatgtg gggcgacgtg gtggcgctcg 240

tccggcaggg cctgcggtgg cggcggcgca tggggaggag gtc 283

<210> 6849
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d12b1

<400> 6849

ttggacgcgt gggcagactc gcgtctccgg ggcccttgca ccggcaccgc acatagcgcg 60

cgcggtcgag agagatggcg tacgcggcgg gctcgccggc ggtgccggac tggctgaaca 120

agggcgacaa cgcgtggcag ctgacggcgg cgactatggt gggcatccag tccatgccgg 180

gcctgg 186

<210> 6850
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e01b1

<400> 6850

tctgacgcgt gggtggtggc gctgtgccag gccatcgacc ttcgccacct ggaggagaac 60

atcaagacct ccgtgaagaa ctgggtgacg caggtgtcga agaaggtgct gaccatgaac 120

cccaccgggg acctctgcag cgcgcgcttc agcgagaaga g 161

<210> 6851
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e02b1

<400> 6851

ttcgacggcc acggccagtg gggccactac gtctccaagg ccgtccggga ctcgctgccg 60

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aagaagctct gcgactccca gttcgacctc tggaagcagt cctacctggc cgccgccgct 180

gccgtcgacg aagagctccg ccgcaccagc cgcctggacg cggtcaacag tggctccact 240

gctctgtccg tcgttaaaaa gggtgacacg atggtgatcg cgaacgtggg cgactcccga 300

gccgtcctgg ggaccacg 318

<210> 6852
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e03b1

<400> 6852

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gtctcagccg cggcagccat ggcgaagacc taccccgttg tcagcgccga gtaccaggag 120

gccgtcgaga aggccaggca aaagctccgc gccctcatcg ccgagaagaa ctgctccccg 180

ctcatgctcc gcctcgcgtg gcactccgct gggaccttcg acgtgtcgtc caagacaggc 240

ggcccgttcg ggacgatgaa gaagccggcg gagcaggcgc acgccgccaa cgcgggcctg 300

gacatcgccg tgcggatgct cgagcccatc a 331

<210> 6853
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e04b1

<400> 6853

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tacattggca cccctggcaa gggtatcctt gctgctgatg agtccaccgg caccatcggc 180

aagcgcttcg ccagcatcaa tgttgagaac gttgaggaca accgtcgtgc cctccgtgag 240

ctcctcttct gcacccctgg tgccctccag tacctcagcg gtgtgatcct gtttgaggag 300

accctgtacc agagcacc 318

<210> 6854
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e05b1

<400> 6854

tttccggtgc cggagggctt gcagttcgtg ctcaacactt taccggttga cccaagctgc 60

attggggatg gtgatggctt cactgctcat gtgaaggaga tggcaggtga tacaaacaac 120

cgagatccaa agcaataccg aataagaatg agagggattg atgcaccgga gctgaacatg 180

gaatatggga agaagtcaaa gaaagggttg gtgaagctta ttggagagaa atgcgttgag 240

attcatgtgt atgggatgga ccactttgat cgatatattg gcgacatcta ctgtgacggc 300

gtctttatcc aagaacaaat gctgaaaagg ggcttggcct ggcacttcaa aaaatatgac 360

aaacgtcctg aattcgcaca atgggagaga gaagcaaaaa tggcacgtg 409

<210> 6855
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e06b1

<400> 6855

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caccgacgac cagatcgccg agttcaagga ggccttcagc ctcttcgaca aggacggaga 180

cggctgcatc accaccaagg agcttggaac tgtgatgcgc tcgctggggc agaaccccac 240

tgaggcagag cttcaggata tgatcaatga agtggatgct gatggcaatg gaacgattga 300

ctt 303

<210> 6856
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e07b1

<400> 6856

tcttggcttc tcctccccac tcagtcctgg gttcccggcc cggttcggtt cgttagggtt 60

tagtagtggg gaagaggagg aagaatggcg gacgtcgagt accgctgctt cgtcggcggc 120

ctcgcctggg ccaccgacga ccagtccctc cagaacgcct tctccaagta cggcgacgtc 180

atcgactcca agatcatcac tgacagggag acgggccgtt cccgcgggtt cgggttcgtc 240

accttcgcgt cggacgaggc gatgcgccag gcgatcgagg ccatgaa 287

<210> 6857
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e08b1

<400> 6857

tctcccctgt gctcgtgccc tctcctctcc cgccccgagc tccactgcct ccagcctacg 60

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actgcagcgg agggaaacgt ggatgaggag atcaagccaa gctggtgcac gagctcgcac 180

tgccctggcg ccgatctcgc gccggtccta cgccctgcca ccctctctcg ggacgccatg 240

gagatcaaca 250

<210> 6858
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e09b1

<400> 6858

tcgtccacgc gtccggcgga ggactgccgc cgcgcctgat ataggatggc gatggccatg 60

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tggccctgca gcaatggaga gagaggcttc tcctaccccc agtctccaaa ggcccccctcc 180

attgtcagcg agaggtacag gactgcctac cacttccagc ctcccaggaa ctggatgaac 240

gatccatgtg gaccaatgta ctacaatggc gtctaccatg aattctacca gtataacccc 300

gatggcgcct ttgac 315

<210> 6859
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e10b1

<400> 6859

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ggagggcaag gaggaggacg tgcgcctggg cgcgaaccgc tactcggagc accagcccat 120

cggcacggcg gcgcatggcg gcggcgcgga cgagaaggac tacaaggagc cgccccggc 180

ccccttcttc gaggccgggg agctcacctc ctggttcttt taccgggacg gcatcgccga 240

gttcctggcc actttcctct ttctttacat ctcggtgctc accgtgatgg gcgtggtggg 300

c 301

<210> 6860
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e12b1

<400> 6860

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tgcaggggcc cttctccatg cgcatcacca gcgactccgg gaagacattg gtggccaaca 180

atgtcatccc gacctactgg cggccggaca aagcctactg gtccaacgtc cagttctatt 240

gattttggct caatcatcag ttgcatgctt ctccgacgga ttccgatcga gagtccatgc 300

tccacattag cattaaaaga aattaaaaac aacctaac 338

<210> 6861
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f01b1

<400> 6861

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tgcagcatcg agcgctggct ctccgacggc cacgccacct gccccatcac gcagcaaaag 180

ctcgcggagg ccgaccggga ggccacgccc aaccacacgc tccgtcgtct cacccaggcc 240

tggtgcgctc tgcacgccg 259

<210> 6862
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f02b1

<400> 6862

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aggggatgca acacaaccag aagatcacct tccctggtga agctgatgag gcgcctgaca 120

ctgttactgg agacattgta tttgtcgtcc agcagaagga acacccgaag ttcaagagaa 180

agggcgatga tctcttctat gagcatacca tatctctcac tgaagctctt tgtgggttcc 240

aactcgtcct gacccatctg gacaacaggc agctgctcat taaatcaaac cctggtgaag 300

ttgtcaagcc tgattcattc aaggcaatca gcgacgaggg gatgccgatg 350

<210> 6863
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f03b1

<400> 6863

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ctccaactcc aactccaact ccaacggggg cagcagcaag ggcggtaacg gcggggtaa 120

catcgcgtca aagcagcata atgcatcact gtcagggaca accacaaggg gcagggagtt 180

cgaggacccc gagacaaagg cttacatgaa ggccaacgcc gccaaggctc tgtggcacct 240

cgccaagggc aatgcagcta tctgcaagag catcaccgag tcaagggctc ttctatgctt 300

cgcggttctt ctggaaaagg gggaaggcga tgtgcaatac aattctgcga tggctctcat 360

ggagatctgc 370

<210> 6864
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f04b1

<400> 6864

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gcgtcggtgc gcgtgctggg caggtggccg agcccgttcg tgatccgggt gctgatagct 120

cttgggctca agagcgtgga ccacgagctc gtggaggagg ccgtgggcaa caagagcgag 180

ctgctgctcg cctccaaccc cgtgcacaag aagatccccg tgctcctgca ccacggcagg 240

cccgtctccg agtccctcat catcctccag tatgtcgacg aggcctgggc ctcccaagcc 300

c 301

<210> 6865
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f05b1

<400> 6865

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ggtttctggt ggaatgagag gaactcttcc atggatggcc ccagaattgt tgacaatgag 120

cggcaccaaa gtatctgaaa aggtcgatgt ctattctttt ggtgttgtga tgtgggaaat 180

tctcactggt gaggatccat atgatggcat gcactatgga ggagttatag ggggcatttt 240

gagtgacaca ctgaggccgt cagtgcccac ttcatgtaac ccggaatgga agaaactcat 300

ggagcaatgc tggtcaactg agcctg 326

<210> 6866
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f06b1

<400> 6866

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catcgtccgt ctccaactga tccgcccggc gatcgtcaga tccatctgag aaaatccgct 120

ccagttaaat ccaatccaga tggagctagc taggatggat ccacccggcg tcgagctccc 180

caagagctgc ctcctcgcta tcaagcctgt ggtcgccgat tcaaccaacg ccaccaccgc 240

cacccaccag acggagcacc cggatgactc tcgcgagatc tccattcagg tcag 294

<210> 6867
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f07b1

<400> 6867

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cgtacgcgcg ccggggaaag ggaaagtgaa aagggaagag gatcagggga agatgtgctg 120

ctgttgcggc ggcgacgacc gcgaccacga gcacggctgc cgcccgctcg ggttcctgct 180

cggcctgccc ttcgcgctcc tcgccgtcct cgtctccatc gtcggcgcca tcatctggat 240

catcgggctg cccatctcgt gcatctgccc gtg 273

<210> 6868
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f08b1

<400> 6868

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gtaaatattg tgggtgatgg cttcaattgg aggaaatatg gtcagaagca agtgaaaagt 120

actgataatt ctaggagcta ctatagatgc acaaattcaa gttgcttggc caaaaagaaa 180

gatgagcatt gtcctgatgg ccgtgttata caaatcatat atcgaggagc acacagtcat 240

gaaccaccac 250

<210> 6869
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f09b1

<400> 6869

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gcactcgatc gacgtgggcg cgggcgtggt ggacgccgac taccggggcc ccgtcggggt 120

catcctcttc aaccactcgg acgccgactt cgccgtgagg cccggggacc gcgtcgcgca 180

gctggtcatc gagaggatcg ccacgccgga cgtcgccgag gtggacgacc tcgacgccac 240

cgtcaggggc gagggcggct tcgggtccac cggcgtctga tggccggcct tgacggaagg 300

cgaggcaggt gtgtctatct agatgctga 329

<210> 6870
<211> 378

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f10b1

<400> 6870

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tatgcaggcc ggcgccatcc ggaagggcgg cttcctcgtc atcaagaacc gcccctgcaa 180

ggtggtggag gtttctacct cgaagactgg aaagcatggt catgctaaat gccactttgt 240

tgccttagat atattcaatg gtaaaaagct tgaggacatt gttccttcat cccacaactg 300

tgatgtgcca catgtggacc gcactgagta tcagctgatt gacatatcag aggatggatt 360

tgtgagcctt cttactga 378

<210> 6871
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f11b1

<400> 6871

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tttattgtag cagtgttacc gggtcgatcc aacggccgag gtccttcagt ggcctgatct 180

gacggctgaa aacgcatcaa acaagagatc cgacggccag aaatcgctga gctatgagga 240

ggcccatgtt ctaccaacaa acatacccac atacacacac atgaatgatt acgtagaaag 300

aaatattcca gggaatgtca tgatgcaca 329

<210> 6872
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f12b1

<400> 6872

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gtggaccggg ctgatctgat gcccttctcg gcggcgatgc cggccggaag aggctaagga 120

gaggcgccgg atataggtct gtacatagta gttccaataa aattagttta gtgatgtgtt 180

tcaggagtag tagtgcctcc gtggcgactg gcgtgatgtc gtcaggaagc gtgccgccgg 240

cgtcttcgag caacgctcgg tggcttcagg ttgctgccct gctgtttctg ctgttctggg 300

gagagctagc acatggcggt ggcagagctg a 331

<210> 6873
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g01b1

<400> 6873

tcctacgcgt ccggatgtct tcagctttgg tgtcattttg atggagctgg tcacggcgacg 60

cagggcgctt gatgacacac agcctgagga tagcatgcac ctggttacat ggttccggag 120

aatgcagctc aacaatgata cgttccagaa ggcaatcgac acaactatcg accttcatga 180

ggagacctta gccagcgtta gcacggtcgc acagctcgcg ggtcactgct gtgctaggga 240

gccacatcag aggcccgaca tgggtcatgc cgtc 274

<210> 6874
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g02b1

<400> 6874

ctccacgcgt ccggcttctt gatcggggtt ggttgggtgt tgtatgagag ggagtgagcg 60

ggcagcggtg ccagcgtcaa cgtcggggat gagctgcaac ggctgccgcg tgctgcgcaa 120

gggctgcaac gacgcctgcg tgctgcgccc ctgcctgctc tggatcgagg ccgccgacgc 180

gcagggccac gccaccctct tcgccgccaa gttcttcgga cgcgccggcc tcatgtcctt 240

c 241

<210> 6875
<211> 279

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g03b1

<400> 6875

tctttacgcg tccgcagtga tattgttcag atggcaagtt atgcgccact ctttgtaaac 60

gacaacgatc aaacgtggaa tccagatgct atcgtcttca actcctggca acaatacgga 120

actcctagtt actggatgca gaagtttttc cgcgaatcta gtggtgccat gattcatcca 180

attacaatca gttccagcta ctctggttct ctagcagcat ctgctatcac ctggcaggat 240

tccgggaaca gcttcctgaa agtaaagatt gtgaacttc 279

<210> 6876
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g04b1

<400> 6876

tctcgcgtcc gcctcttcct cctccctctc tgttcgcact aaccaatccg agtacaactc 60

gccgtactcg cacgcacaca taggcagatc caatccgact gtacaaaagc gccgccgtcc 120

gccgctcacg tggaagaggg agagggagca gcggagagga gaaggatttc cacgattaca 180

tgcaacctcc tggaatagtc tagttcctaa atccttcttc cattctggca gatatcaaga 240

gatcattcag gtctcgcacc tctgagtggg tgtggatttg caacaattct gcaatcaact 300

tattgctgcc tctgggagta atcccatcat acatctggag attacggcga gcactggagg 360

ga 362

<210> 6877
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g05b1

<400> 6877

tctctcgcca tttgccaaca gacctcagat ctcgctctcg cctccttgcg cagccgtcgt 60

cgagagcagc aagaaaatgg cggcgagcaa cctcgagggt gtgctcctgg ggatgggcaa 120

ccccttctc gacatctccg ccgtcgtcga cgaggccttc ctcgctaagt atgatgtgaa 180

gccgaacaat gccattcttg ccgaggacaa gcacttgccc atgtacgatg agttgtccag 240

caaggacaat gttgaatata ttgctggagg agccacgcag aactctatca gggttgccca 300

atggatgctt caaactcctg gtgcaacaag ttacatgggt tgcattggaa aggacaagta 360

tggtgaggag at 372

<210> 6878
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g06b1

<400> 6878

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catctctaaa atttgttatc tcgccgggat gatttcgagg tctcccagcc tcttccagat 120

cggcgagggt gaggcccagg atcaggatca ggcggggacg ccaacaatgg cgacccccgg 180

cgagctcgtc gggctccggc tgatcataca gccctcaccg gggcgacaac aacggccggc 240

gctggccgtc ctcaggaggt cgtcggtgag gtccccggca gccgacctcc aggagaacag 300

cggctgccgg ccgttcgtgg gcctcgagtt cttgaagtgc tgcctctgct gctgc 355

<210> 6879
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g07b1

<400> 6879

tgcactgttt ccctcggttc ttggaggaac atgtgctatt cctggagctt tcggttgtgg 60

aaaaactgtc attagtcagg cgctctcaaa gtattccaat tccgacactg tggtgtatgt 120

gggctgtgga gaaagaggaa atgagatggc tgaggtcctc atggacttcc cccaattgac 180

aatgacgttg cctgatggac gtgaagagtc agtcatgaaa agaacaacgc ttgtggctaa 240

cacctccaac atgcccgtcg ccgctcgtga agcctccatt tatacaggaa ttaccattgc 300

tgaata 306

<210> 6880
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g08b1

<400> 6880

agatgggagt ttagcaatcc aactcctttc ataaggagcc gtgaatttct ttggcaagaa 60

ggccatacag tttttgcaac taaagaggag gcagatgaag aggtcctcca aatattggaa 120

ctctacagga gaatatatga agaattttta gcagttccag tgtccaaagg gaggaaaagt 180

gagatggaaa agtttgctgg tggactttac acaaccagtg tagaggcctt cattccaaat 240

actggccgtg gtatacaagg tgcaacttca cattgtcttg gtcaaaactt tgcaaagatg 300

tttgatatca cttttgagaa tgaaaagggt g 331

<210> 6881
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g09b1

<400> 6881

ttttctggac ctggacatgc cggccctgca gtacatgatg agggagtacc ctgggaatga 60

agaggagaag atgagagctg caattggcaa gtttggcctg tcaggaaagg cacaggtgat 120

gccaatgaaa aacctgtctg atgggcagaa ggcccgtgtc atttttgctt ggctagcatt 180

taggcagcca cagatgctgt tgcttgatga gccgacaaat catcttgaca ttgagaccat 240

tgactcactt gctgaggcac tgaaggaatg ggacgggggg ttggtcctgg tgagccatga 300

cttcaggctg atcaatcagg ttgctcaaga gatctgggtc tgtgag 346

<210> 6882
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g10b1

<400> 6882

tggaaatatc cctccaggac tcagtaattg ctccatgctg aaactcctcg gcgctggcta 60

caacaacctc aatgggactc ttccagacga gctcttcaaa gttacctcgt tagagcacct 120

ctctttgcct agcaatggct tagaaggagc tatcaatggc atcagcaagc tcacaaatct 180

ggtcgccctt gatcttgggg ggaatgagct cactggcagt attccagagt ctattggtga 240

gctgaagaga ttggaggagc tgcatttgga acacaataac atgtcagggg agctgccatc 300

aactctgagc aactgcacat atctcgtaac aattgacctc aagagcaacc agttcattgg 360

agaacttacc caggtcaac 379

<210> 6883
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g11b1

<400> 6883

ggttctgata aattgtgctc tttcaagacc acccctggcc gtggaggtta cataaaggaa 60

gtggtcatct cagatgtaga aatggatggt atccgtgtgg ccattgaatt cataggtaat 120

ttatcaagcc atccagatga tgattttgat ccatctgagc tcccggtgat tgatcaaatc 180

accctaaaga atatggtggg aacaaacatc tcggttgcag gagttttatc aggaattgac 240

ggtgatccat ttactgcgat ctgcctttcc aatctcagtt tctcgataac tgattcagcc 300

tattctactc cctggtcttg tt 322

<210> 6884
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g12b1

<400> 6884

tctcgcatcg ctgccatcgc ctccgctccg gaggtcgctt tcacctcatc ccgcgcgtcg 60

ccgccgagac cctctgcaac cggcgacgcg gtgccggccg ggcatggcca ccccctcccc 120

cggttatatc ttctcggctg ccccgccacc atttttcccc ttttgatgaa gagaaatgcc 180

accctctttt tccctgtgct ggaaccggcg ggggaattgc ttcaaccgac gggcggattt 240

gcttcaaccg gcaaggatgg tggtggg 267

<210> 6885
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h01b1

<400> 6885

gatctacacg agacgaacat gtcgtcttag gctcggacgt tgttggtcgc cggcttggcc 60

tgcaagagga tgccccccctg ctctgacttg ctcacatctc agtgtttcac caatgaagat 120

gtattttcaa ggtgaaggcc ttgcgttggg actctgtgcc tcctaaacta agaacaaatg 180

aacttgcctt taggcttttc gcactgcact atgca 215

<210> 6886
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h02b1

<400> 6886

atgtttgtgc aggagctccg tgttgtgctg ccaaaggagg tcgaggctgc ccgcagtgct 60

gtggagaatg gcaccgctgc gcatcagaac cgtatcaccg agtgccggtc atacccgctt 120

taccggttcg tacgcaagga gcttgggact gagtacttga ctggggagaa gacacgatct 180

cctg 184

<210> 6887
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h03b1

<400> 6887

ttttccccct cccacgccgt ctcgtcccag ctcgccctcc agaggtttta gtcttcctcc 60

atggcggccc tcatcaagct cggaagcctt cttaggcaga gtgctttggc gagcaggcc 120

tcgaccggct cggctcctgc cctgttcaac gctgcccgct tcatgtgcgc cggccagccc 180

gctggtggca ataagctttt cgtcggcggt ctggcctggg ctactgacga tcattcgctg 240

aaggaggcgt tccaaagctt tggagaggtc gttgaggcac gtgtcatcac tgatcgagag 300

actggaaggt c 311

<210> 6888
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h04b1

<400> 6888

tattcccccc tcccacgccg tctcgtccca gctcgccctc cagaggtttt agtcttcctc 60

catggcggcc ctcatcaagc tcggaagcct tcttaggcag agtgctttgg cgagcagtgc 120

ctcgaccggc tcggctcctg ccctgttcaa cgctgcccgc ttcatgtgcg ccggccagcc 180

cgctggtggc aataagcttt tcgtcggcgg tctggcctgg gctactgacg atcattcgct 240

gaaggaggcg ttccaaagct ctggagaggt cgctgaggca cgtgtcatca ctgatcgaga 300

gactggaagg tc 312

<210> 6889
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h05b1

<400> 6889

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gcgcggcgac cagtgggcgc tgcgcgtggc gcaccacgcc cccggcatca tacactggtg 120

gatggagcag agctggctgc ccctgcccac ctccaccgtc gacgtgaaca ccacctacct 180

gccaaacaag cgcgacgccg agatccgacg aaccctcacc gtcgacggaa ccctccggaa 240

gaagagggag atggcgacgc accaggggat ccaggagtcg tactacaggg acatggccgt 300

catgttcggc aagtgggagt tcga 324

<210> 6890
<211> 326

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h06b1

<400> 6890

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gatcagatca ccatgagctc caacgttcaa ggtgagggtg aagtccccgt ctacgaatcg 120

ggtgcagatg ccctgcagaa gctgcaagag aaatggaagt ccacggcggc gccgtacccg 180

gccatgtact cgagcttctt gggcgggatc atcctggacc cggccatgat ggccctcccc 240

atcgacgacc acatggtcca ccgcggccac ggcgtcttcg acacggccat gctcctcgac 300

ggtcaccttt acgagctcga cacgca 326

<210> 6891
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h07b1

<400> 6891

tcgtcgtgcg ccgttcgttc cgcgagccga gccgagtcga gcgagcgggc gggtggcggg 60

tggtgggttt tggcgaccgg attgcatgaa aaccagcgcc gccgccgccg ccgtcgagga 120

gctcgagctg ctcgcccggg gggccttcgt gggcgccggc atggaccgcc acgacctggg 180

cgcgtcc 187

<210> 6892
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h08b1

<400> 6892

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cagaagagat ttggccctct tcgatatttt gtggctggag tactcaaatt tttgtgtcta 120

ccaagttact tctatgagtt agaatatctt cctttgtcca aggacatgtc cgggcatgga 180

aaaggtacag gacaagacaa agttgaattg tctgatgtct atacagatgt aatgcgcagt 240

cgatcaaaaa gagaaggatt tccacgagct gtcagctttt caagtattga ctctatcatg 300

actccaagta ggatgtctct aggggacttt gacaca 336

<210> 6893
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h10b1

<400> 6893

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aaccaggtcc tctcgctcat gatcaacacc ttctactcca acaaggagat cttcctccgc 180

gagctcatct gcaactcctc cgatgccttg gacaagatca ggttcgagag cctcacggac 240

aagag 245

<210> 6894
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h11b1

<400> 6894

tctttgcagt gctggtgttg aggagtcggt ggagatatct tcagaaaaag ttaccagcag 60

atccaagact caggaagact taatcaagtc aatttataat ttctcagtag tgcttctatc 120

tacttgcgat ggcggttatg agttggagga atctgaacat gcacttgttc aatctacaat 180

acacaatctc agttctttga gttccaagat aagcaaggct gcattaaaaa atgatgatgt 240

aaatggaaac tgctgccaaa caaaatcaga tacaaggtgc catggaaaga atcatcagcc 300

tcagaagttt gatggacttg actgggagaa cattggtgca gattttaaaa catttatttt 360

ggaggatctt actaaacttc cagaagagaa t 391

<210> 6895
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h12b1

<400> 6895

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ttcaacgaaa cttcctcgtg agaaaatgga catgatcaat aactgttatg aagaattcaa 180

ggccaagaaa ataagcagaa ttgacctagt gaagaggctg cgtctcatag ttggtgacag 240

aatgctggta tccacaataa ttcggctcca agataagttg cctccgatgg cgaagcggga 300

agcagcaaat gctccagcca aggcacgagg tcagtgacca tggtggattg gaggaaggaa 360

ctggtcgact tgttatcatg agttggaaag gaatgta 397

<210> 6896
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a01b1

<400> 6896

ttgttttgcg tccgaattcc cccaacaaca ggggggttta ttaacaagaa tggccgtaac 60

agcaatcccc gcaacaacaa ttccaccaac aacaattacc tgatcaacaa ttgtcccaac 120

aacaatttcc ccatcaacaa ttcccccaac atcaacagtg tccccaacaa caacaattaa 180

cgcatcaaca attccccccgg ccacaacaat accctgaaca acaacaattc ccccaacaac 240

aattccccca gcaaccacca caacaattcc cccaacaaca atttccaata ccatacccac 300

cccagcaatc acaagaacct ttcccataac aacaatatcc acaacaacaa ccatctggga 360

gcaacgttat aagtatcagt ggcctatgaa atgaagagat gtaatactag a 411

<210> 6897
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a02b1

<400> 6897

tttgaaagaa aagaacatgt tgatcttcat atatcatggc aattaaaagc atgcctcata 60

catcaagaat tcaactacca atactatgca aacctagact cttgctcagg tttacattta 120

cctcacaact cccaggagaa aatgaaaaaa aaggaacgaa aattaaaact agatcgatcc 180

cttttatggc agcgtttctt ccatccaaag aaaaaaactt ggagaaagaa acataaaata 240

aaatgaaata aaaatgaacc 260

<210> 6898
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a04b1

<400> 6898

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ctgtccttcc tcgtgcctcc acttctaatg aatatatggc gcctcaactt tg 112

<210> 6899
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a05b1

<400> 6899

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ccgtcagccg tcgctccaac ggcgctagcc tcggcagcgt cagcaacggt ggaaggatca 180

ggtgcatgca ggtgtggccc atcgagggca tcaagaagtt cgagaccctg tcctacctgc 240

caccgctcag cacggaggcc ctcctcaagc aggtcgacta cctgatccgc tccaaatgg 299

<210> 6900
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a07b1

<400> 6900

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gcggcgtgcc ggcggagaag cccgcggagg acgatgtgaa gcggccggac acgttccagg 180

aggggacggt gctgatcccg gggatcgggc ggtacgagct gggcacccac tacatccccg 240

acatcggcgg gctggaccac agcatcccgg ccgccgccag tggacagttc atccccggcg 300

ccgacgacac ctgggtgccc aacccc 326

<210> 6901
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a08b1

<400> 6901

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agcatcacta gcttacgctc tgatccccaa tcaatccatc gatcaaccca tccggccagc 120

gatgaacaat atatagcctc aatctgtatg acatcatata tatgtatcaa cgcatacgca 180

ccgcatgcat atataatgca ttcacgcgca atcaagcata ctgcatagac attccacccc 240

ggcccggccc ctctcaggta tgaatgaata atatcagttg tactactacg tttcactcga 300

cccgttccac tagacgcacg cgagcttgta tgctcaagtg atgactagtg aatatacaca 360

gcttgctatt atgtgcttta c 381

<210> 6902
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a12b1

<400> 6902

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gcgacttcct cagctccggt cccgtgcttg ccatggtatg ggaaggagag ggcgctatca 120

agcccgggag gaagctgatc ggtgccactg acccatcaaa atctgagcca ggaaccatca 180

tgggtgacct tgctgttgtc gctggaagga acatcatcca cggcagcgat ggccctgaga 240

cagccaagga ctagatcgcg ctctggtctc cagcccaagg agctggtctc ttacaccagc 300

aacgaggaga agtggatcta cggtgtgaac taacc 335

<210> 6903
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b01b1

<400> 6903

tgttggcccg gggctgctgc accggcatcc agaacctgct ggccgaggcc aacaacagcc 60

ccgaccgccg caccatctgc ggctgcctca agaacgtcgc caacggcgcc tccggcgggc 120

cctacatcac ccgcgccgcc gcgctcccct ccaagtgcaa cgtcgccctc ccctacaaga 180

tcagccccag cgtcgactgc aactcgatcc actgaacgaa cctgtcgacg tacgtctgcc 240

gtgtgaggag tcccatgtcc ggagaataaa ttgctgctac tactagtact gaagcttagc 300

taggccttgg cggccagatc cgtgtcgttc tacctagtcg tgtggtgtgt ggttttaggg 360

tcgatggatc tgtgtgtgca cgcagtccat ggtg 394

<210> 6904
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189007b02b1

<400> 6904

cctcacgcgt tcgcccacgc gtccgcccac gcgtccgcgg acgcgtgggg tcattcaggg 60

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gcatgctcct ccaccgcaca tgatgcaacc tccaccagcc cctgctgcca aggaaggcgc 180

caaggaaggt gcgaaagacg gcgcaccagc accaacaaat ggagccaagc agcccgtgga 240

gagcaaagaa gcacccgcca acggccccgc cgcagagacg gagaaggagc agactgcagc 300

atcagagtag cttcttttat ttttacagaa acaccagaac cttgactatg cttagaagga 360

aacttttatt ttcaaaaata cccggagtgt cgcctaccct gtagcggtct tttttgcaga 420

gatccgcatc aggatggcta tgtatcgatc agttctgaac attcagctta gtatcacagc 480

anacaactgc actctttact ggtt 504

<210> 6905
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b04b1

<400> 6905

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gcaacaatgg cgatggcgtc gtcgagcggg ctgaggagct gcagcgccgt gggcgtgccg 120

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b06b1

<400> 6906

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ttcgtaggag ccctcctaca gaaataaaag ctttggcgtc cctgctagtg ttggtctgac 120

atcaagtcct gtcaagtttt aatcccactt tgtttagcaa tggggaatac ttttgtgttg 180

gccttgtggt gtttagcgat ttgaattacc tcttgcatgc cctgtatatt gaactcctct 240

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<223> Clone ID: uC-tsrow189007b08b1

<400> 6907

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ggctggaaat ccaaatatga ggctgctgga atatggtatg aacatcgtct cattgatgac 180

atggttgcct atgcacttaa gagcgaagga ggctatgttt gggcttgcaa gaactatgac 240

ggagatgtgc agagtgattt cttagctcaa ggttttggtt ctttgggctt gatgacgtca 300

gtattgatgt gccctgatgg taaaaccatc gaagctgaag ctgcccatgg cacagttacc 360

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<223> Clone ID: uC-tsrow189007b09b1

<400> 6908

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gcggagatgg tgagcgcctt cttcctcttc tgcgggtgcg tggagcaggc caacgtggcg 180

gtggtcgaga agtggggccg cttcctccgc ctcgccgagc cgggcctcca cttcttcaac 240

cccttcgccg gcgagctcgt cgccgggacc ctctccaccc gcgtccagtc gctcgacgtc 300

aaggtcgaga ccaagaccaa ggataatgtg tttgttcagc tgatctgtac aattcaatac 360

cgggttgtta aggagaatgc agacgatgca ttctacgagt tgcagaatcc ccaacagcaa 420

attcagtcct acgtctttga tgtggttcga gccatagttc caagaatgga gctggacagt 480

ctctttgagc aaaagaatga 500

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<211> 421
<212> DNA
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<223> Clone ID: uC-tsrow189007b10b1

<400> 6909

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gcggagatgg tgagcgcctt cttcctcttc tgcgggtgcg tggagcaggc caacgtggcg 180

gtggtcgaga agtggggccg cttcctccgc ctcgccgagc cgggcctcca cttcttcaac 240

cccttcgccg gcgagctcgt cgccgggacc ctctccaccc gcgtccagtc gctcgacgtc 300

aaggtcgaga ccaagaccaa ggataatgtg tttgttcagc tgatctgtac aattcaatac 360

cgggttgtta aggagaatgc agacgatgca ttctacgagt tgcagaatcc ccaacagcaa 420

a 421

<210> 6910
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b11b1

<400> 6910

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cggctgcaag tgcggcaacg gctgcggcgg gtgcaagatg ttccccgacg tggaggccac 180

cgccggcgcc gtcgccatgg tcatgcccac cgcctcccac aaggggagct ccggcgggtt 240

cgagacggcc ggggagaccg gcggctgcga ctgcaccacc tgcaagtgcg gcaccgcgtg 300

cggctgctcc tgctgcagct gcaactgagc cggcgcccat gaggccggcc ggcagaggcg 360

agcacgagga tgaggaggac atgcaagcaa gcaccatcac caccagttca ccaccaccc 419

<210> 6911
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<212> DNA
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<223> Clone ID: uC-tsrow189007b12b1

<400> 6911

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ggctccgagg ggtgcggcac tggtgctggc gatggtgctc gcggccatgg tggtggcgcc 180

gccggcgact gtgcacgcca tatcctgctc cacggtgtac aggacgctga tgccgtgcct 240

gcagtacgtg cagcaaggcg ggtcgtcggc ccggggctgc tgtaccggca tccagaacct 300

<210> 6912
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c01b1

<400> 6912

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atctcttgct gcataggagg aggtaaaggg gcacagcaag gtactttgcc tgtaccggca 180

ggatgcaccg accagactgc caagaacttc gacccaacgg cgaggagtga cgacggcagc 240

tgcctttaca ccttttaagc atgccaattt aatatctgat gttttatcct ttgtacctaa 300

gtaccgcatc gcatccaagc gattgctggg catgttttgt taatatataa agatattgag 360

tatacctatt tggt 374

<210> 6913
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c02b1

<400> 6913

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cccgggtact acgacggccg ctactggaca atgtggaagc tgcctatgtt cgggtgcacc 180

gacgccacac aggtgatcaa cgaggtggag gaggtcaaga aggagtaccc tgacgcgtac 240

gtccgcatca tcggattcga caacatgcgc caggtgcagt gcgtcagctt cattgccttc 300

aagccaccgg gctgcgagga gtccggcaag gcctaaacag ctcactcacc acgggccaca 360

tataaagtgc cattgcagtt ttgtcaactc tgacattgct ttgggttttc cttctccatt 420

tgtctttctt acttgttcct aagaatatgt gtatgtccat gttcatgtaa caacat 476

<210> 6914

<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c03b1

<400> 6914

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tccatacttc acaagctgcg gctagttcag gactccattt gcaagctgct cggataattt 180

cattaccttc gcgagcaaga tcgcgccctt cgttacgagc ttgtacacag gcttctaaag 240

ccactcgatt agctgctgca ccaggtgcat ttccccaagg atgtcctaaa gttcctccac 300

caaattgtaa tacagaatcg tccccaaaga tttcggtcag agctggcata tgccaaacat 360

g 361

<210> 6915
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c04b1

<400> 6915

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aagctgccta tgttcgggtg cactgacgcc acacaggtga tcaacgaggt ggaggaggtc 180

aagaaggagt accctgacgc gtatgtccgc atcatcggat tcgacaacat gcgtcaggtg 240

cagtgcgtca gcttcatcgc cttcaagcca ccgggctgcg aggagtccgg caaggcctaa 300

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tgctttgggt tttccttctc catttatctt tcttat 396

<210> 6916
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c06b1

<400> 6916

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tttcaccggc gagtcatgga ataacagcag tgtgcaccag agcggcggcg ctggctcggc 120

gcaggtctcg atcgctgccg ccgccgcggc tcaccactcg gcattcccat cgttactctc 180

cttggctcca aggtcgcatc agctggttta ctactcgtcc gaggccgatc agttcccagt 240

tgatgacctg ggctcccaaa gcttatcctt gagctcggcg agagctttcc atgaccagac 300

aggaagctag ctgccaccta gctagctagt acaacgctgg atcgatcgat atcctgaaga 360

agatggagct gatcgatcgg tggtatggat tgcaactttt atcctcaagg taggacttaa 420

taatgctctc ccaaagcgca aaatagctag cta 453

<210> 6917
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c08b1

<400> 6917

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cctgccaagc aaaatgacaa caggcagctg t 211

<210> 6918
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c11b1

<400> 6918

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ctacctcgac gggagccatc gatcgtctca ctacaacttg aagctgcaac ttgggcggtg 180

ccatggctcc ttgtgcagag aaatcaagag ggggcgaggt cagggaggag ctgcgggagg 240

agtgaaggaa aagaaggcga cggagaaggc tctgctcgcc ggagagctcg atcggcagcg 300

acgaactccg agccgcatgt tctggcgacg gagggctgga accggtccat ggggagacct 360

gtaggcgcgc ggcggcggcg gtttgggacg gcggagaagc tgcaactcgg ac 412

<210> 6919
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c12b1

<400> 6919

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aaccgccgat tttcacaaaa gaagacttat tt 92

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<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d01b1

<400> 6920

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gcaaaattgc catgaacttt ttctttttcg ccattgcata aaaaaaatct ttttttacca 180

tggcaatgtt tttgcttata aagatgattg catatttagt agaatgtttt catttttta 240

tctagcacga caaatttatt tttagatctt ttcaatttct tttcagagta tggcaaaata 300

tggccttttt attcacaacc aaaagcggcc tttcttagtc acagtaggtc ttaggaaaac 360

t 361

<210> 6921
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d03b1

<400> 6921

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aggacatcca gctcgcccgc cgcatccgcg gggagcgcgc atagattgcc caaggaaaag 180

caatgtagag ctgtccgttc gtcgcctctg gtttcagatc gtgttagcaa taggcaagag 240

gcgactttta ttttgttgta gaaaaaactc tggttggcta cattgttaca atgactcgtt 300

tcttatttcg 310

<210> 6922
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d05b1

<400> 6922

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tttgaagcca tcggtgtcaa tggcgagcgt attcctccgt ggtgcacaaa gagtgcaact 180

ataccaatct gcaacccaga taaatataga tgctattgtt gtgttcaaaa ttggcaatgc 240

tacaaaacaa tggatgagtg cagagccaag tgtgcatatt tacctccctc ctcttcctct 300

gtacttccat gaaaccgggt tcttctcatg agctagaaga aaaatgaata gatccagaca 360

ataaaaa 367

<210> 6923
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d07b1

<400> 6923

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cggtcctgtt ccgggggaag aagctgatgc cgcaaaccaa cgacaagcgg ctggaccgcg 120

tggtggagca actattgttc ggtgctgcta ttttccattc ggttgtgggg tggttctact 180

tttcaccaat ctggccaagg accaaaagta ggtttgacct caatttcgat gcaaacatgg 240

attgggatgt gatgcatgta cttgcttatt aagggatttg gatcttgccc tcaattagag 300

ttcccaatct caacgaagtg gggtttatga attttattat tccttagctt gaatggactg 360

tagcttcgct taattgactg acagttgtat ttgactgcat aactggatta attgatttca 420

<210> 6924
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d08b1

<400> 6924

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<210> 6925
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d11b1

<400> 6925

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ctcaaggcca tgagggcgct cgaggtggca ctgcaggtgg cgtccatcgc cgtcgtcggg 180

ctcctcgcgg tggccaaggg gacgctgctc acctcggtcg cccagcgggc cgtcgtcgtg 240

tccgtcgccg tcctgtgctt cgcggcgtcc cgctggctcg ccgacttcat ccagaagaac 300

ttttattttg aggattatgt ccatgcttac aagtgacttg gcaaatcatc cagtagggaa 360

aaatatgtct agagatatag tagaaaatgc 390

<210> 6926
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e01b1

<400> 6926

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cgttcaagcc atttttctct atgccgagtg cgctgaaatg atgagcacac aattatgttc 180

atctagctag ttaagtaaag ttagggacac accacagttt gcagccctgg ataaaaaaaa 240

ctggtcgtgt gttgtgtcac atatattttt catatttttt ttgttgtgtg atcagatgtg 300

gcaagtatct tctttttttt gtcaaaactc ctacgcacaa ggtgctttgg tttatgactc 360

gttcctggta agaagacc 378

<210> 6927
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<212> DNA
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<223> Clone ID: uC-tsrow189007e02b1

<400> 6927

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ccgcccacgg gatgatgccg gccagaagcg gttcgaccaa gttcaccggg gcaaagcagc 240

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gtggtgccgg gacatcggcg tcagcaaggg cgtcttcaag gtctggatgc acaacaacaa 360

gcacaacta 369

<210> 6928
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e04b1

<400> 6928

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ctcgtcgacc tctttccgtc gtccaggttg gtcaggtggc tgaccaacga cgagcgccgc 120

atgaaaagaa gctacggccg cacccagcgt atcatcacca aagccatcga gggacgcaag 180

gccaccagag ctgccggcgt cggcgcttca gacacgtacg acgaggacct cctagacgtg 240

ctgctcaggc tgcagctgga ggactcgtta gag 273

<210> 6929
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e05b1

<400> 6929

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cggcgcacgg ccgcgaggcg gcggcggtgg cggggaagct gctgcggagc acggggaagg 180

cggcgtggat cgccgggacg accttccttg tgctggtcgc gccgctcatc atcgagatgg 240

accgggagca gcagatggtc gacctcgacc tccagcagca ggctcttct 289

<210> 6930
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e06b1

<400> 6930

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aggccaaggt cgccgagaag gactacgacg agaatgacct ggcatacctc cagaagaaga 180

aggatgagca aaaggccctg aaggagctga aggccaaggc aggccagaag ggtgcgctgg 240

gaggatctgg tctcaagaag agtgggaaga aatgagtctg cccacccttа cgtaatgccc 300

agaaaatgat aatctatcta tctacctatc tgtgtcgcgc ttcactatct gtggttgtaa 360

aagactacct tcagttgtgt tgagcattaa gca 393

<210> 6931
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e08b1

<400> 6931

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tgggcgagcg ggaaggaccg gggcgtctcc cacgacgcag acgagaccgg cggcggctta 180

tggtggcgcg gtcgatgagg acctgctgga tctcgccgga tctggtggga tggcgccgcag 240

atctctctcc gatcctttcc cagatcttct cctgctacct agggttcccc accgcaggcg 300

cacctcggca gccatcgagg cgaccactgc cgcctgcagg cggaacgagg cggaggagaa 360

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<210> 6932
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e09b1

<400> 6932

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gctggacatc aagtacttac tggtatagta gcaacataat tggtgtggga tatggcaata 180

cgctttgcgc gattgatatg atggtatgat aagatttgtt ggattgagat tcctggaatg 240

gataaaccag agaaagttgt gtggctaccg tagtattggc actggggcac gcgtagtcat 300

ttcgggtgta tttagttggg cactgctagg cgccggccgt tcggcccgag ccttgcgccg 360

gtcgcctcct agctgtacca tgcacccagc cgtaagtagt aaccgttgta tgtgtctttc 420

atctcgc 427

<210> 6933
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e10b1

<400> 6933

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aagtacttac tggtatagta gcaacataat tggtgtggga tatggcaata cgctttgcgc 180

gattgatatg atggtatgat aagacttgtt ggatcgagat tcctggaatg gataaaccag 240

agaaagttgt gtggctaccg tagtattggc actggggcac gcgtagtcat ttcgggtg 298

<210> 6934
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e11b1

<400> 6934

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tttctccgtc ccggtcatca atcttcgtcg agcagagaga gagagacgga ggtggtcaga 180

tttgcgcgag atccatgggg aagtacgtgg agctgctgga catgggggtg cgcatcgtcg 240

cgcggttcca ctcccactgc ccgcagacag cccggatgta ctaccaccct cccgcctcct 300

c 301

<210> 6935
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e12b1

<400> 6935

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tggacgccac ggccaccggc gccaagggga agaagggcgc ggccgggcgc aaggccggcg 120

gccccaggaa gaagtcggtg acgcggtccg tgaaggcggg gctccagttc cccgtcggcc 180

gcatcgggcg gtacctcaag aagggccgct acgcccagcg cgtcgggacc ggcgcccccg 240

tctacctcgc cgccgtcctc gagtacctcg ccgccgagct gctggagc 288

<210> 6936

<211> 81
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f01b1

<400> 6936

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ccaccgctca gcacggaggc c 81

<210> 6937
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f02b1

<400> 6937

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ccccgacaca ccggcggggt acccgtgcaa gccgggcgtc ggcgcgggcg acttctacta 180

ccacggcctc gccgccgccg gtaacaccaa caacctcatc aaggcggccg tcacaccggc 240

cttcgtgggc cagttccccg gcgtcaacgg gctcggcatc tccgcagcca ggctcgacat 300

cgccgtgggc ggcgtcgtgc cgctgcacac ccacccggcc gcctccgagc tgctcttcgt 360

caccgagggc accatcctcg ccggcttcat cagctcctct tccaacaccg tctacaccaa 420

gacgctctac atgggcgaca tcatggt 447

<210> 6938
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f03b1

<400> 6938

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cccgcgaaaa tgtcgactga cgtggctgcc gctgacatcc cggtgcctca ggtggaggta 120

gccgccgacg ctgccgttga cacaccggcg gcgaagccgg ccaaggcgcc caaggcggcc 180

aaggccaaga agtccactgg cccgaagaag ccccgcgtca ccccggccca cccgtcctac 240

gccgagatgg tgtcggaggc gatcgccgcc ctgaaggaga ggagcgggtc gagcaccatc 300

gcgatcggca agttcatcga ggacaagcac aaggcgcacc tcccggccaa cttccgcaag 360

atcctgctga cccagatcaa gaagctcgtc gccgccggca agctgaccaa ggtcaagggc 420

tcctacaagc tc 432

<210> 6939
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f04b1

<400> 6939

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gcgccgcgtg cggccggcca ggtgcgcggg gttcgtgggc ccggcggtgg agtcggcgtc 120

cccgggcgcg agggcggcga cgctcgcgag cagccgcggc gggaccgact cgtcactggc 180

catctgccgg gtgctcaacg gcatgtggca gaccagcggc gggtggggcc gcatcgaccg 240

cgccgacgcc gtcgacgcca tgctcgccta cgccgacgcc ggcctctcca ccttcgacat 300

ggccgaccac tatggaccgg cggaggattt atacggcatg ttcatcaaca aa 352

<210> 6940
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f05b1

<400> 6940

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gctcaaggac gtagtttgga agtgcggcgg cgaggtagaa gataacagca ccgtggcatg 120

aagcacaatt ttccatgtac atagtcccta gttcatatgt gggatggatg gtgggtgttg 180

gctgcggatt gggttgtgca gaccgagttc tttcgttcgt ttgttgatga tgatgacgat 240

gaataggctc cgatgaaaca gcgggcgca 269

<210> 6941

<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f06b1

<400> 6941

tgttggttag agattaatca tgtgttccgt aagtgttagt ttgtagtttc tactactatt 60

ttctcgcggt tgatgagaga gactgggaag tgaatttgta taccggaaga tttttgtcag 120

ccgtgcaact cgttgcgcct cttgatagaa aaagtagaaa ttttgtcaaa gtcattctta 180

tatgcttagc agcagagatg atgtacgata ccattaaaaa cccatctgaa tgtttgttg 239

<210> 6942
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f07b1

<400> 6942

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gtcctttctc tatatgctag tgggcgtacc actggtattg tcttggattc cggagatggt 180

gtcagtcaca cagtcccaat ctatgaaggt tatgcccttc cacacgctat cctacgtctt 240

gatcttgctg gtagggatct cactgattcc ctcatgaaga tcctcactga gaggggttac 300

tctttcacaa ccactgccga gcgggaaatt gtccgtgaca tcaaggagaa gcttgcatat 360

gttgccctcg actacgaaca ggagcttgag accgcgaaga gtagctcatc agttgagaag 420

agcta 425

<210> 6943
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f08b1

<400> 6943

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atcaaggact tcctgctgac ggcgcgccgg aaggacgcgc ggtcggtgcg gatcaagagg 120

accaaggacg ccgtcaagtt caaggtgcgc tgctccaggt acctctacac gctctgcgtc 180

ttcgacgccg acaaggccaa caagctcaag cagtccctcc caccaggttt gagcgtccag 240

gaggtttaag catcaagcca gacaatgcct tttctagtag cgggaatgtt ctatccatct 300

tgctttagta actgttagca ggctctcctt gtttaccccc attaagagag ttttgatgtc 360

ccaagaatgg aatgtaatgt tgggagctat gtggttgaac ctgtgaggat ttttgtgtta 420

ttttcacttt tgctggagag gagatcaatt atcttatcct aaattggttt agtatctcac 480

tatt 484

<210> 6944
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f09b1

<400> 6944

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cccaatcgat cgatcccagc tctagagggg agggagcaac catggcgggg gacggggagg 120

acgaggtgcc ggcgatgggc ggagacaagc tgatcctgcg ggggctgcag ttccacggct 180

tccacggcgt gaagcaggag gagaagaagc tgggccagaa gttcgtggtc gacgtggacg 240

cctggatgga cctcgccgcc gccggggact ccgacgacat cgcccacacc gtcagctaca 300

ccgacatcta caggatagcc aagggcgtgg tggaaggccc gtcgcggaac ctcctggagt 360

cggtggcgca gtcgatcgcc ggcaccacgc tgctcgagtt tccccagatc 410

<210> 6945
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f10b1

<400> 6945

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cccaatcgat cgatcccagc tctagagggg agggagcaac catggcgggg gacggggagg 120

acgaggtgcc ggcgatgggc ggagacaagc tgatcctgcg ggggctgcag ttccacggct 180

tccacggcgt gaagcaggag gagaagaagc tgggccagaa gttcgtggtc gacgtggacg 240

cctggatgga cctcgccgcc gccggggact ccgacgacat cgcccacacc gtcagctaca 300

ccgacatcta caggatagcc aagggcgtgg tggaaggccc gtcgcggaac ctcctggagt 360

cggtggcgc 369

<210> 6946
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f11b1

<400> 6946

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caggtgaagc tcgcagtggt ggtcaaggtg atgggccgca ccgggtccag gggtcaggtg 180

acccaggtga gagtcaagtt cctggatgac cagaaccgtc tcatcatgag gaacgtcaag 240

gggcctgtcc gggagggcga catcctcacc ctgcttgagt ctgagcggga ggccaggagg 300

ctgcgctaag cactttcttt tcacctgact gtcttcggaa ttgctcatga aatgatgtgc 360

tgttgccttc ttactctacc gctttcatct tttgtcttgg ctatggagat gtaatgagtt 420

tc 422

<210> 6947
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f12b1

<400> 6947

tggtgatgat gacatgggct tcagtctgtt ggactaagtt gtggggcacc ttgtgtctga 60

agtatctatc cttggccagg aaactagagt caatgatgtt ttagccttta tttagctgag 120

ttgtgaaaca ctggcaagac aatgttttga tatgtaattc agcccctggt tgctggttga 180

tttactggtg aaccatacct ttgctatcca attttggtcc tttaacaatg cgttgttttg 240

<210> 6948
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g03b1

<400> 6948

tcgggaaagg gcgggggtcc tcactcgatc ggatgcttgt gcgggggtcc caatgaagct 60

cgggtgg 67

<210> 6949
<211> 446
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189007g05b1

<400> 6949

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cctccgaatc tcggacgcct cagcgccggc cgcagggcac gcgagtcgag ttgcttccgt 120

tccggcggcg ggggaagaga tggcggcgaa cctagaggac gtgccgtcgg tggatctcat 180

caccgaggtg ctccgccgcg ccaagtgcag ctccaagccc gacaagcgca tcatcctcgt 240

cggtccacct ggctctggaa agggtacgca gtcgcccctt attaaggatg aatactgctt 300

gtgccattta gccactggtg atatgctgag agctgctgtt gctgctaaga ctcctctggg 360

gatcaaggct aaggaagcta tgaacaaggg agagcttgtt tcagatgact nggttgttgg 420

gattatcgat gaagccatga agaaac 446

<210> 6950
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g06b1

<400> 6950

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gcgcgtgcgc gcacagcagc acatccatgg ccgtcgccgc cggaggagga gtggcgctga 180

gtctgcgcgg cccgtcgtcg gcctcggcgt cgccggcggt ggggcggctg cgtagggtgt 240

cgtcctcgcc ggctgtgagg tgcggggcga cgcgggaaag gtggccggcg gcgggggccc 300

cgtacggggt gctggaggag gaccactacc ggactctgag gctgcagccg ggcgcctcca 360

ggggcgaggt caagaa 376

<210> 6951
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g08b1

<400> 6951

tggaaaatgt ggagatctgt caatgaactg atgcttgttc ggtgggacaa atcaaagtcc 60

gctggtgtgt caaacttgat acttctcaag ttcagtgagg cggatgcaca tgaatccacg 120

acgcttgatc agataaaaga tgaagaacct gaattccatg ccatggtttc acgtgtcctg 180

aaacgagccg aaacggagtt tgctttatga gctggtcagc aatggtattg gatttctaca 240

actgctatac cgtcataacc cgtgcaacgc tcatggacca ggcaggtagg ttactgtttt 300

gcgtcgtctg attttgtgta ctagtgacaa ggagcaagta gatgatgcac aatttcctga 360

agtttgtttt ggccatagaa gtcggacttg ctggtactgt ttcgatttct ctgg 414

<210> 6952
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g09b1

<400> 6952

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ctggtgttgc atcagagtac aaactagcaa agagggtgga agctgttgtt ggcgtccgcc 120

atttatcgaa gctggacatg aagctcaacg acgcgcttcc gaaaatcaag gtcgaccccg 180

agacctacac ggttactgct gatggagagg tcctgacttg ccagccagca gccacggtgc 240

cattatctcg gaactacttt cttttctagg ccacccattg cttgagaaat tcttggaagg 300

tcaataattc actcaactag cttcgacggt aacttcaagt tgcgcatggg agatgtgctg 360

ctggctcaaa ataaacaatt atacatttac atgaaaaaaa atcacacgta tacatattgc 420

aatacttcag tttcttg 437

<210> 6953
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g10b1

<400> 6953

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ctggtgttgc atcagagtac aaactagcaa agagggtgga agctgttgtt ggcgtccgcc 120

atttatcgaa gctggacatg aagctcaacg acgcgcttgc gaaaatcaag gtcgacccg 180

agacctacac ggttactgct gatggagagg tcctgacttg ccagccagca gccacggtgc 240

cattatctcg gaactacttt cttttctagg ccacccattg cttgagaaat tcttggaagg 300

tcaataattc actcaactag cttcgacggt aacttcaagt tgcgcatggg agatgtgctg 360

ctggctcaaa ataaacaatt atacatttac atgaaaaaaa atcacacgta tacatattgc 420

aatacttcag ttttttg 437

<210> 6954
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g11b1

<400> 6954

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gccagaaccc ccctgccaac gctccggccg ccggcggcgg caaccagccc accttcaaga 120

tcttctgcaa ggccgacgag ggctcgtgcc attcaacccg gagtacctcg acgagtccgt 180

gatgtggacg gagagcggcg acgtcggcaa gggcttccgc tgcattcgca tggtgaacaa 240

catccgcctc aactttgacg ccctcaacgg cgacaaggac cacggcggcg tgcacgacgg 300

caccaccgtc gtcctctggg agtgggccaa gggcgacaac cagagctgga agatcctccc 360

ctggggcgaa gaggcctacg ccggaggcag cgccaacgcc ccccgcggtg gctccacaga 420

gcccaccgtg cg 432

<210> 6955
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g12b1

<400> 6955

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ttccttgttg catgtggagc tggatttggt ttatggctgt acaacctcac tgctgtctgt 180

taccatgctc tttaccttcc acttctgtat gtgactttca tggcagactt cttccaggag 240

gaagatatgc ttctagagaa cgtatactac tccgagatga aagacgccgg gttcttttgat 300

gctgactggg attaaaacctg cctgcagatc ccgttccacg ctgtatgact tatttgtatg 360

tgaatttgca cggagtagct tcatcctgga ga 392

<210> 6956
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h01b1

<400> 6956

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attctctgcc gtatcatgat gctagtggag ctagtaatga tgtctatgaa tttgtaaaaa 180

agcttggtaa atttaaggag accaagcgca cagaaggaat atcaacctca gacattataa 240

tgaggattgt taaagattat aatgagtatg ttatgcgcaa tctggccagg gggtacagca 300

gaaatgatct tggtgtcagc tatgtcaagg aaaaacgact 340

<210> 6957
<211> 307

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h02b1

<400> 6957

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ggcacccaag gggggcgaga atgcaggtgg cagcagctgc agactccaag aacattctca 120

tcatgggagg caccaggttc atcggcctct tcctgtccag gaaacttgtc caggagggac 180

accaggtgac attgttcacc agaggaaagg cacccataac ccagcagttg ccaggtgaat 240

cagatgcaga gtatgcagag ttctcttcca aggtgctgca tttgaaaggt gataggaaag 300

actttga 307

<210> 6958
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h03b1

<400> 6958

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ggagcaagaa gtcacgccgg atgaggttgt gcatgaagct gcagttggca agggtttggg 120

tggagctttg aagtttctaa aggagcgagg gaccctcaat gagggcacca attggggagg 180

cagaaccacg gacaagaaga aaagcaagct tgttggtatt gaggaagagg ctcaggacgg 240

aaaaaaagaa atccgcatag aaagaatgga tgaattcggt cgagtgatga cacccaagga 300

ggcatttagg gatctttcgc acaaattcca tggcaaggga ccaggtaaaa tgaagctgga 360

aaaacggcag aagaagtacc aggatgatat ga 392

<210> 6959
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h04b1

<400> 6959

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tgttcaatgt aacgatgata aataaagtga tgtgtaccat catgtgtaac cccgagctat 120

actagttcaa acatgagaat aaaagaaaga aagttcttgt c 161

<210> 6960
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h05b1

<400> 6960

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gcgcgggctg gcggagatct ccatgagggt caccgccaag ctcggcggct tggtgggggc 180

ctacgcgcgc cgcgagctgg atctggtcaa cgacaacccg acgtggcagt gcctggacga 240

gtgcgccgag gacatcgagg acgcgctgtc gcacctggac gacgccctgg gcggcgtcaa 300

cgacgcccag ttcgaccagg tccgccagta catcgacctc tccgagcagg acacctggtc 360

ctgcgacgag acctgccggg acacgccgcc cagcccggtc aggaccgagc tgctccgcaa 420

gaacctcgaa ttcgagagga tgatg 445

<210> 6961
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h06b1

<400> 6961

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aaaaaaaaaa aaaggggggg ccgttt 86

<210> 6962
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h08b1

<400> 6962

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cgtagcgggt tgcgccctct ccacccgccg tctccccttc ctccgggcaa taagcctctgc 180

tcgaatggag tctacttcca cgaccgtacc ttccattgtt gtgtatgtga cagttccgaa 240

tcgggaagca ggcaaaaagc tatcaggaag cattatcagt gagaagcttg ctgcttgtgt 300

gaaca 305

<210> 6963
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h09b1

<400> 6963

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gggttgtgta atattcagac ttgactagtt ctaatcactt gttattcgtt c 111

<210> 6964
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h10b1

<400> 6964

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atgttcaggg ttgtgtaata ttcagacttg actagttcta atcacttgtt attcgttc 118

<210> 6965
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h11b1

<400> 6965

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atctccggcc agcgccgttt ggttcctgcc ggccgccgtc ttcatcctcc tcctcctcct 120

tctgggccgc ccgaccatgg acccctacgc tcccgccacc cctcctggtc ccgtgtcttc 180

ccggcgcgcc gatctgtacg gcaggatggc gcgggacctt gacgagcgcg gcgcggcctt 240

cttgaagggc ggcgagacat cgcagtccct cacgctctcg gacctcttcg aggtcaggga 300

cggcgccgtc gtgcccaggc tcaaggccgt cgacccgccg gtgcgtgcaa acgtgctcta 360

cctggacccg gtgttcgccg ccgagatagc gaaggctgtg aaggaagtat ttcttcctta 420

ttttgataaa gctatt 436

<210> 6966
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h12b1

<400> 6966

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aacaagtttg atccagattt gtgtgttttt tacaccgaat gctcgaggtg ctgctagtac 180

tttgttatct atctatctat ctctattata ataccctttg gaattggaac tgagtcgttg 240

ctggaactta gattccggtt tgctcatccg ccctatctct atgaatgaat tggtttgggt 300

t 301

<210> 6967
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a01b1

<400> 6967

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tcaaacatcc ccttcctctt tgtcggtctc gctgggctca tcctgtgcca ctacaaaaac 120

tacttcaggc tatgctcaca gggggagctc tggagttgga cactcttcta tgctggtgtc 180

actgctgtcg gtgttggttc atcctactac catctctacc cgaatgatgc caccttagtt 240

tgggacagat tgcctatgac gattgctttc acgtctatcg tggccatttt catcattgaa 300

agggttgatg atagggcagg aacaaagtcc cttgcaccc 339

<210> 6968
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a02b1

<400> 6968

cttatcgtgt ccgcccacgc gtccgagcag aagctgcagc ttcaggttca gcttgttctc 60

catagcaatg gctggcactg gcagcacctg gctcctgctg gagcagaagg gagctgggcc 120

gggagcaagg agctcccacg ccatcaccct cgtcggcggc acggtctact ccttcggcgg 180

agagttcacc ccgcgccatt ccgtggacaa caccatgtac gccttcgacc tcaaggcgct 240

attctggt 248

<210> 6969
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a04b1

<400> 6969

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ggagttcatg gagcgcg 137

<210> 6970
<211> 201
<212> DNA
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<223> Clone ID: uC-tsrow189009a05b1

<400> 6970

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ggctgccagt ctcgtgaggg ccccatcctt tgcgtcaata actgcggttt cttcggcagt 180

gcggcgacca tgaacatgtg c 201

<210> 6971
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<223> Clone ID: uC-tsrow189009a07b1

<400> 6971

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ctg 123

<210> 6972
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a08b1

<400> 6972

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acaagggctt acaaatttgt cgcctactca gcggtcactt tctctattgt ggctgtgttg 120

agcgtcgttt gcacactacc aatg 144

<210> 6973
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a09b1

<400> 6973

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ctccaactct gggatacagc tggtcaggaa agattcagga gtttaattcc aagctacatc 120

agagactctt tagttgctgc tattgttttc gatgttg 157

<210> 6974
<211> 173

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a12b1

<400> 6974

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aggcggacta cgcgctggag accatcggcg gcctccggcg agccatcccg gag 173

<210> 6975
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b01b1

<400> 6975

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cctccggcgt cacgcgcctc ccccgcatct tccgcgttcc ctacggcgtc caccgaccac 180

aaccacctcc accgcacgcc ccatcccaag aagcgccgtc cgtgcccgtg atcgacctca 240

gtggcgccga ccgcg 255

<210> 6976
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b02b1

<400> 6976

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cgcgggttcc agccaggtgg gtcgcagacc aacagcaggg gcggggtccg tatgaacagg 120

ttcggcgacc tcagccccag ggaggtcatt cagcagttta ccgggctcaa caccaccagc 180

ttg 183

<210> 6977
<211> 225

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b04b1

<400> 6977

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aaggaaatat ggtacaacta ttgctcctag tctgtatgca cctgtccacc agcatttttt 180

tgttgcccgt atggacatgg ctattgattg caaacctaac gaagc 225

<210> 6978
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b05b1

<400> 6978

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tctccctacc aaccatcttc cttagcgacg aggccaccca gagctccaca ggaaagaagc 120

gcgaccggag aaagaaggag agcaagatgt cgtcggtgtt cagcggcgat gaga 174

<210> 6979
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b06b1

<400> 6979

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tggtgtcgct ggc 133

<210> 6980
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b07b1

<400> 6980

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gcaagcacga cccagcgatt gtccttgcta aggttgatgc caacgatgag aagaacaagc 120

cgcttgcggg caagtacgag gtccagggct tccctaccct taagatcttt aggaa 175

<210> 6981
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b09b1

<400> 6981

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gacgctgtga gccgcggcgg agag 84

<210> 6982
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b10b1

<400> 6982

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caactcactc tacagcaaca aggacatctt cctgagggag ctcattttca atgcatctga 180

tgc 183

<210> 6983
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b11b1

<400> 6983

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ctgccccacc gccttaagat gcacatcatg atgaagaccc tcaccggcaa ga 112

<210> 6984
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b12b1

<400> 6984

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ggccggcgcc atcgccgagg acgcccagct cggcgaatca ttccgttcat ggcttgat 118

<210> 6985
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c01b1

<400> 6985

acgatactat ggattctccg gcggcggcag ctagggcggc ttttgtggca aggttcggtc 60

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cgggcttcgc gccgccgagc ccgtccacgc ctccccccgaa ggccgacccc 170

<210> 6986
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c02b1

<400> 6986

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gctgccgtcg ctcagcccgt ccccggacgt agacgcgctc ttcaccgagc tggtcaccgc 180

gtgcgttccc ccgagccccg tggacgtgac caagctcggc ccggaggcgc aggagatg 238

<210> 6987
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c03b1

<400> 6987

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cgacccccct aatccttctc ccaaccctta tctgtatccc tctccatggc cacggcggcg 120

gcggcgaagc ggaagccggt gttcgtcaag gtggatcagc tcaagcccgt caccagcggc 180

cacacgctcg tcgccaaggt gctcagctcc aagaccgtcc tccagaaggc ccgcgccgct 240

ggcggccccg gcccagccgc caagcccacc aggatcgccg agtgcctcat cggcgacgag 300

acc 303

<210> 6988
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c04b1

<400> 6988

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cactcgatgc tttcccagct ttggttgatt ttgtcatggg gatactttcc aggcttgtca 180

ataagcagat ctggaaaatg ccaaagctgt gggttgg 217

<210> 6989
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c06b1

<400> 6989

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ccccaaagaa ggcaagacct cttcctcctc cggccccgac ccctaccacg gtgctccgcc 180

cccgcagcag ccttacggcg gcggcg 206

<210> 6990
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c07b1

<400> 6990

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tccctcccac gcggcgcgcc cgctcgccgc gcgcgcgaat ctcggtcgca actggtgtac 120

tgttgaagga aggaaaaatc atcctatttg tcatggcggg aactgactcc tcggcgtcat 180

cgagacaaag cagtttcaac tcattagcaa aggacctaga acttcctttg gagcaagggt 240

gcctcaccat cgttgtactt ggggcttctg gagatcttgc caagaagaaa acgttcccgg 300

cactctacca ccttttgag caggggttct tacaatctgg tgaagtgcat atagtggggt 360

atgcgagaac aaat 374

<210> 6991
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c08b1

<400> 6991

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ccaggtgagt tgttgctggg ggcggggcgg ggcgggctgg tgccctcgag tttgccatta 180

aggaagccgt gggtg 195

<210> 6992
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c09b1

<400> 6992

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agggaagccg gaaaggggtt ctcgccgtgg cggaaggagg agatggc 107

<210> 6993
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c10b1

<400> 6993

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tggtcacctt gcaggaccac tctcagtggt tggcccttct gttcacttac acaaaaacag 180

aaggcagaag atgatattgg 200

<210> 6994
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c12b1

<400> 6994

tcgtagcaga agccactagc tcactactag tcgagcaatc tgttgtttca gaaagacgct 60

atgaagtact tggggcaggt ggtg 84

<210> 6995
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d01b1

<400> 6995

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gcattcccct tcccaactat ggagactttg gtggctggtt ctgcccgtgc catggctccc 120

actatgacat cctatggcag aatccacaag ggccctgccc cgtacaacct tg 172

<210> 6996
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d02b1

<400> 6996

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ttcactctgc tctacttcac ctactacggc atgctcgccg tggggctcac ccccagctac 120

aacatcgcct ccatcgtctc ctccttcttc tacggcgtgt ggaacctctt ctcgggcttc 180

gtcatctcac agccgacaat gccggtgtgg tggaggtggt attcgtggg 229

<210> 6997
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d03b1

<400> 6997

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ctggcggcag tggggctggt gtcgcggcag t 211

<210> 6998
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d04b1

<400> 6998

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gattgaaacc gaaaagcttc tagctcaatt ggttgagacc gaaatgaaca aacgttttgaa 120

ggaaggcact tacaaaggaa agaagttcaa tgcaatctgt cacttctttg gctaccaagc 180

taggggtgca atgcc 195

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<223> Clone ID: uC-tsrow189009d05b1

<400> 6999

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ttgtgctggt ttcaccacct ttctggtgaa cacggaaatg gcgggtaact gtgccatggg 120

cagcttcagc ttcgatggtt ttaccattag ggcacatcaa tactgacgtc atcaagccca 180

aagagccaaa accttgagct aagaaatcac t 211

<210> 7000
<211> 150
<212> DNA
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<223> Clone ID: uC-tsrow189009d06b1

<400> 7000

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gatgtaccct gatctgacgg agcagggcag 150

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<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d08b1

<400> 7001

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ctcggaggtg cttcctagtt tccacgatga agctgatcgc tgcctacctc ctcgcctatc 120

tgggtgggaa ctcttcccca agtgccgctg acgtcaagaa catcctggac tcagttggtg 180

cccaggctga tgaagaaaag cttgagttcc ttctggctga actcaaaggc aaggacatca 240

cagaagtgat tgcatctgga aggg 264

<210> 7002
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d09b1

<400> 7002

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agcatcagcg cggaagagcc aaggagccga ccatggcgac gatcgtcaac accacggagg 120

aggagccgat gctggcggtg gtgcgctcca cggcggagct cgcctgggcc 170

<210> 7003
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d11b1

<400> 7003

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ctacaatggg tgaaaagaa 79

<210> 7004
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d12b1

<400> 7004

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gctcttcgag gcggaggagc tcacctcctg gtccttctac cgggccggga tcgccgagtt 120

cctggccacc ttcctcttcc tctacatctc ggtgctcacc gtgatgggcg tggtg 175

<210> 7005
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e01b1

<400> 7005

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tgtaccttct gctgggagca gctctgcgga aaaccaggca tttgggcatg ttgcgccccc 180

aaagtcttca aacttttttcg gtgaatatgg gatggacagt ggatatcaca agaaatcta 239

<210> 7006
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e03b1

<400> 7006

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cgtcttcgcc gggatcgcgc agggcccgga ggaccccatc ctcggggtga 110

<210> 7007
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e04b1

<400> 7007

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gacggcggcg ccgaggccag taccttggcg 210

<210> 7008
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e05b1

<400> 7008

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aggatttta 69

<210> 7009
<211> 80

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e07b1

<400> 7009

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gcatacgtgc gggaggggag 80

<210> 7010
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e08b1

<400> 7010

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tgccgaaact gacgctccag ctcaagaaga aaaacgggag gtggagaaag acaaccccaa 120

gaaccgaatc gacttccttg gattcttcgc catgatcttt gagaggttct gctccccagc 180

tgacaagaag aaagactagt tccgtgtcag ctgcc 215

<210> 7011
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e09b1

<400> 7011

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atatttgttg tatcggaatg ccacacagga agtaaatggc atttggtttt ataaccaaca 120

ggagtgcgaa gctgttgcta gtctgtttgg aaggatactg aatgcttatg cgaaagtgcc 180

cccaaagccg aaagtgccat ccataaaaag tgagtttgag gaattagagg ctgttcctac 240

atcctctgcc atagatggtc cccttgaacc tcctccatca tctacc 286

<210> 7012
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e10b1

<400> 7012

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cccgttgccg cagcagcaag agaatgggca gcgtcgacgc ctccgagacg acggtcaccg 120

ggtgggccgc cagggacgcc accggccacc tctcccccta cagatacacc ctcaggaaaa 180

caggacctga agacgtggtg ttgaaggtta a 211

<210> 7013
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e12b1

<400> 7013

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catccgtgct gccaccaagt caatcgagcg ggagatcaat tccgtcaacg acaatccact 120

catcgatgtc tcgcgcggca aagctatcca tggtggcaac ttccagggca cgcccatcgg 180

tgtgttcatg gacaacacca ggcttgccat tgctgcaatc ggcaagctca tg 232

<210> 7014
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f02b1

<400> 7014

cctcgctacc gagcgcgcgc gcgcgcacgc acggacttcg acaatcgtcg tcggcttccg 60

agcgagaccg accggccaat cttccaagaa aacgccgggg gggatga 107

<210> 7015
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f03b1

<400> 7015

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caaggccgcc gtcggccacc ccgacacgct cggcgactgc cccttctccc agagggtgct 120

gctcacgctg gaggagaaga aggtgccct 149

<210> 7016
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f04b1

<400> 7016

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attgatcgat tccgtttcca tatcgctccc cggaccccga gatgggattt tgatgc 116

<210> 7017
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f05b1

<400> 7017

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caagcgagta tgtctgtggc gcaattgcag cagctcaaag cattcgtcaa gcaggatcaa 120

caagggactt tgttattctt gttgatgaca ccataagtga ccatcaccgg aagggccttg 180

aatctgcggg ttggaaggtg agaat 205

<210> 7018
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f10b1

<400> 7018

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caggacaagg ccgccggcga caaggccgcg gcggagccca agaggcagac gccgcggctt 120

aacgagcgga tcctctcctc cct 143

<210> 7019
<211> 139
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f11b1

<400> 7019

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gaccggcccc gtcttcgacc ccgccgcctc cgcctcctac cgcaacgtca cctgccgcga 120

cgcgcgctgc ggtctcgtc 139

<210> 7020
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f12b1

<400> 7020

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tcaagggcac catcttcttc acccaggagg gagagggccc gaccaccgtg acgggaagtg 180

tcaccggact caaggaaggg ctccacggct tccatgtgca cgctcttggc gacaccacca 240

atggctgcat gtcaactgga ccaca 265

<210> 7021
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g01b1

<400> 7021

cttatactaa aagagtgaca ctgggcatgt tactcaagta atatgttcga ccatagatgc 60

caagtctctt gagaatgtca actcagagaa ctcatttgac agtatcaaaa ttgatttggg 120

ggaccaaaat gtttcaagta gcttggatat caaaaaaggc aattcctttg cagcaggtca 180

gtcgtgctct gataataatg caactgaagc tttgaaccat cttgcaaatg c 231

<210> 7022
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g02b1

<400> 7022

catgagctta agttgctcgc tgacgacgta ttctcatttt ggcttaaccg ggattcggat 60

gcactttctg gtggtgagct cgtctttggt ggcatggacc cggatcacta taagggaaac 120

cacacctatg tccccgtgag ccgcaaaggt tactggcagt ttaacatggg cgatctcttg 180

attgatggcc actctactgg cttctgtgcc aaaggctgtg ctgctattgt ggactctggg 240

actttcctgc tggctggccc aacagcta 268

<210> 7023
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g03b1

<400> 7023

gtttctttct acgtgcaggc gctctcctcc ctgcagcagc agcaacagca gcagctgcaa 60

cagcagagca gcgcgcgcag cggcaccaag ccgtccatgg ggatgggg 108

<210> 7024
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g05b1

<400> 7024

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gcttggatcc agccgttccc gatcgagatc tgccccggcg ggcgatgaga gcatgacccc 120

cgcgcaggac cccttctaca tcgtcaagga cgagatccag gattccattg acaaaataca 180

aga 183

<210> 7025
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g07b1

<400> 7025

ttgcctacgc gtccggagat atggaaagag ccggctcaat cctgtgaagt ggaagacaat 60

gcatgaaatt gtttgtggac gctcggggaa acctttgcat gagaacaggt g 111

<210> 7026
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g09b1

<400> 7026

ttgtacaatg gtaaatgtga gtttcgatgt tcagattatg cgggctacac ttgtcaaaag 60

ggttcgacaa tactgcccag cctgtcaatg tgtcatgatg tactggttcg ggattctgat 120

gggcagcatt gtgcaccaag tgaactcagc atactacagc aactcgaagc agtagttctt 180

gtgccaaatt acaatagatt gatgccaagt gggcggacc 219

<210> 7027
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g10b1

<400> 7027

tggctccaca gcacctacct aagccctaaa cccaacgcgc ccaccacctg cctcgtcgcc 60

gccgccggcg agatggccgg cgcgcgctcg caggtcaaca agccgcacaa gacgcgcttc 120

gcctccaagg cctcccgcca ctcgcacaag atcgacaagg tcaggagcgg gaagccagcg 180

ggcagccacc gtgccgtcgt caagggcgcc cgtgcggt 218

<210> 7028
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g11b1

<400> 7028

ttgatctcta catgaagcgc tacatcaaga acctctctgt caagcttgaa ggggatgacc 60

tagatgcttt caagaagaat gttgagtccg ccacaaagta tcttcttagc aagctcaagg 120

accttcagtt ctttgttggc gagagcatgc atgatgatgg cggcgtggtg ttcgcctact 180

acaaggaggg agctgctgat ccaacttttc tgtactttgc acatgggctg aaaga 235

<210> 7029
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g12b1

<400> 7029

aggtttccgc cgcgatctcg tctcgcgacg cactctctat ctgagattag gaatcgggcg 60

aggcctgcag ctcctgccga catggcgctc gttttgcatt cgggcagtgg caacaagaat 120

gccttcaagg cacttattgc tgcagagtac tgtggggtca aggttgagct gacc 174

<210> 7030
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h01b1

<400> 7030

cgtactcgtg ggcggacgcg tgggtacact tctgggggat ctctggaccc gatcaccggg 60

gtgaaccagc gctccttctt catctacatc aacaaccaga cggcgcaaga gcagatggac 120

gtcatcgcgt ggagcggagg gatagggg 148

<210> 7031
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h04b1

<400> 7031

gtttcttcct cctcctcctc ctcatctcgc tattgctttc cgctcccaca ccacgcgcaa 60

acgtccacaa ccctttgtat ttccacacaa caccctcccc tgtacgtgac caactccgac 120

agcggagaca cgaatcgagc cgtgtcgaca acaaacaatt agcccagacc ccgaggacac 180

cagcgcaaaa acaccgcccg ccaccggggc ggtcaagaga ccgccgccgc cggccgatcg 240

gagcaccatt ggagccgtgc gcgccccttc gactgccccc gcgcgttcgg gcgctgaccc 300

gtcgcagcgc cgtcgtccgc gctgtcgcga tggagtctgc cggctactac accaactgca 360

agaagaccga cggaatc 377

<210> 7032
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h05b1

<400> 7032

ctctatttaa cccgcgatcg agcgaggcaa aacaggtcga ctagtgaggc gcccagatcc 60

aaaccccccc tcccctctct ctctccagat ctcgcgtccc ctgcctctcc tcggatctaa 120

ccactccatt tcctccccac tcgccccgcc gcgacccgga ggaggaggag gaggaggacg 180

gccgctcaaa aacaccgtcc gccaccgggg cg 212

<210> 7033
<211> 214
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h10b1

<400> 7033

tgtggaaagg ctcgtcgtgc acgagatgga ctcggcacac aaccagctct ccaatatgga 60

cgattactcg tatgttcaat gaagctcttg catctcatca gtaataagct acattggatc 120

aaagacgctc accaaggaag gccaagacat atgtaaacga ttccgcacag cctcgcctgc 180

agaattgaaa catctatcct tgggtcatgt tctg 214

<210> 7034
<211> 119

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h11b1

<400> 7034

tcctcgcgtc cgagaacaga gaagagcagg ggccagcgtt taatcagagg gtcgatgaat 60

gaaagaagac atggacccgg acatgggcga gaacttcgta tactactggg agacgcagt 119

<210> 7035
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h12b1

<400> 7035

ttatgaacag tccaggctcc agagagcgcc cccctgcaca gagtgcgaga gggagagagg 60

gagagagagc ggaccagtcg tcgccggcgg ctagcagcgg agcggttatg aaggagagag 120

gcgggtcgag ggcggcggtg g 141

<210> 7036
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012a05b1

<400> 7036

gtgccttcaa tgatttaaat ataactgcac cgggggggag ttctatgtaa taatgtgatc 60

atgtagttcc ccaccacgca gaaagagaca tgcatgtaca gctgtgtata tgagctgccc 120

acatgatcaa actttgatcc atgtcctcac actatagtat agaggatgca ctacaattgt 180

tcaagcaact ctgcacagat gcgaacaaca ggtcaaatca gttccctcta gataactctc 240

taaccatgaa ccatggaatt taatttgctc agagaattgt a 281

<210> 7037
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012a08b1

<400> 7037

tcgctttggc cagttcgtcg acgcggcttt cgggggggcg tttttgacgc gggacctacg 60

ttccgacgag gtgatcgcca ggatcgccga gggagacaag gccgacatcg acctcgccgt 120

gaaggcctgc cgcgaggcct tcgacaacgg cccatggccc ataatgcccg gctgtgcaag 180

ggcccggatc atgcacaagt tcgcggacct ggtcgaccag cacgtcgagg agctggcggt 240

gctggacacg gtggacgccg gcaagctctt tatgatgggt aagatgatgg acatcccggg 300

aggcgccaac ttgctccggt actacgccgg cgccgccgac aagatccac 349

<210> 7038
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012a10b1

<400> 7038

tctgtcgggc accgtctcct gcgggagtgc gggcgggagt actttcacat ggacatgttc 60

ttctccaggg agttcatgga gtgcgccaag aggcagtcca gcatggcgca gtcggtctcg 120

cgcggcggcg gcatggtcgc caacacgtgc cgcgcgctcg agggcgagtt cgtcgacgcc 180

ttcgccgaga ccctcgccgc cgtcggccag aggatcttcg ccatcgggcc gttgaaccct 240

ctgctggagc cgggccagat cgacgcgaag caggggcggc acgagtgcct ggactggctc 300

<210> 7039
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b04b1

<400> 7039

gttatttagc cgcagcgccc gcacgcctcg acccaaggga tctttatggg ggtttcctac 60

tttatggcac tgggcatcaa gcgcgcgtcg cggtcgcaca cctaccaccg gcgagggctg 120

tgggccatga aggccaagcg cggcggaacc ttccccaagg ccgggaagcc agccg 175

<210> 7040
<211> 155

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b09b1

<400> 7040

tcgctcatcg cgtccgagga aagggagccg tggaaagctc tccccccctc cccaaatttc 60

atcttcgttc ttccgctcct ctcctcgcct cgcctcgcct cgcccggacc ccggccggat 120

tctcgtcaag gaggaggagg aggaggaggg ggagg 155

<210> 7041
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b10b1

<400> 7041

tcggtcccga ggatctttga gtgacgcctg ctgcatggcc agttgcgttc ccagaaacct 60

tcctgtcctc cttcgctgag ttaacagtca tgtaattttc gtgtgcattc tgctggggtg 120

ttgtcctggg atagcccctt tacataataa ttgtaatccc ctctgtgctg ttcatctaca 180

cttgttcttc ctgggcgtgc cagggacgta aaatttcttt tggttatatg atgcccatag 240

ttttcacatg cctaaatttg tttcttcttt cgccctgctg ggccgtaaga gttgcttttt 300

gctggaaaa 309

<210> 7042
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b11b1

<400> 7042

atcgcttgtg ttctaaaatg tgtcgtcata tgacccagtg taagagctgc attgagcatg 60

ctgattgaca tggtaacctg cgtggtttgt gcgtggtgtt tgttactggc ttttgcctaat 120

acaagtgtct attgtgaggt 140

<210> 7043
<211> 394

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c07b1

<400> 7043

ttgctacgcg tccgggaacg aggccgtcga tctggagaac attcccatcg aggaggtgtt 60

cgagcagctg aaatgcacgc gccaggggct cacctccgat gaggggcgc agcgtgttga 120

aatcttcggc ctcaacaagc tcgaagagaa gaaggagagc aaagtcctca agttcctggg 180

attcatgtgg aacccccctct cctgggtcat ggagatggcc gccatcatgg ccattgcgct 240

ggccaacggt ggtgggaagc ccccggattg gcaggatttc gttggaatca tcgttctcct 300

ggtcatcaac tccaccatct tcttcattga agagaacaac gccggcaacg ccgctgctgc 360

gctcatggcc aaccttgcgc ccaagacaaa ggtg 394

<210> 7044
<211> 163
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c08b1

<400> 7044

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ctagttcact gacaactaca acagctggac gacaccgacg acggagcagg agccggagga 120

ggagcagtac taccgcgagg agtacgtgcc ttcatacagg ccg 163

<210> 7045
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c09b1

<400> 7045

ttgataaacg ccggctctcc cccgctccgc ctccctgcct cattctcccc cgctccgcgc 60

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tctcgatcca catcgggcag gccggaatcc aggtcggcaa cgcgtgctgg gaactttact 180

gcctcgagca cggcatccag cctgacggtc agacgaacgg tgacaagacc atcggaggtg 240

gtgatgacgc cttcaacacc ttcttcagcg agaccggagc cggcaagtac gtgccccgcg 300

cggtcttcgt cgacctcgag cccaccgtga tcgacgaggt ccgcaccagc gcctaccgtc 360

agctcttcca ccccgagcag ctcatcagcg gtaaggagga cgcggccaat aacttcgccc 420

gtggtcacta cacaatc 437

<210> 7046
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c10b1

<400> 7046

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ggtccacaga tttggaggat gtcttgcaac tgcggatcag gctgcagctg cggctcagac 120

tgcaagtgcg ggaagatgta ccctgatctg acggagcagg gcagcgccgc cgccgaggtc 180

gctcgccgtg gtcgtcctcg gcgtggcgcc tgagaacaag gcgggacagt tcgaggtggc 240

cgtcgggcag tccggcgagg gctgcagctg cggcgacaac tgcaagtgca accccttgcaa 300

ctgttaagct 310

<210> 7047
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c11b1

<400> 7047

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aggtggcgac aagtaccggt cgttcatgga cggtgagggc gagaagaaca ccgtgtggag 120

gcatggagtc cctcccaact tcgacgtggt gaacaagctc ttcgaggaag agaggactaa 180

ggaatgggcg gaggggagtg tggaagagaa ggtgcagcgg ttgctcaaga catggcagat 240

ggagatgttc cacaagttgc ggcccgagga ccagaagagc gtgcactccc agggattcac 300

cagcagcacc aacgggatga agcctctgac ccgaaaggag tggaccgcca tcggtggcta 360

caacgcgttc ctggcaacca agctgccgtt ggagcac 397

<210> 7048
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c12b1

<400> 7048

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gtgaaggatg gtttcgacat caagaagccg caggtgatcc actcgcgcgc tcgtttcacc 180

aagcgtaacg aggccaagcg caagggccgc cacaccggca tcggtaagcg ccgtggtacc 240

gtcaacgcgc gtcttccgtt caaggacatc tggatgcgcc gaatgcgtgt gcttccgtcg 300

tttctccgca agtaccgtga cgccaagaag atcgactcgc acatttacca cgagctg 357

<210> 7049
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d02b1

<400> 7049

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gctcaaggac ggcttccgca atccgcctcg ggactacagc atccaaggag acccgttcag 180

cagggtgttc accaccatcg gcgcggcggc gagcctggtg ttcgcctaca acaccggcat 240

gctgccggag atccaggcca ccgtccaggc gcccgtggtg aagaacatgg agaaggcgct 300

gtggttccag ttcaccgccg gctccctgcc cctttacgcc atcatagtca tcggctactg 360

ggcctacggc aaccagacca ccacctacct gcttcacaac gtcactgggc ccctgtggat 420

caaggcag 428

<210> 7050
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d03b1

<400> 7050

tcggtctgtg gatgtcaacc ggggcattgg aatgcttggg gcttgttttg gcatgtctaa 60

cagttcgcta caaacaaggg agaagctcta tttgatggcc gttggacact acagaaatgg 120

ggattacaca agaagccgag agcttctgga aagatgctta gaggttcaac ctgactggag 180

gcaagctctt actatggaaa ggctacttga agagaaaacc aaaagagatg gcatgattgg 240

catggtcatt gagaccggcg cctgtggact tgtggggctt gttgctggtg gaatcatagc 300

<210> 7051
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d06b1

<400> 7051

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gcgatgctgg atgcaacggt gggttgatga cttcagcctt cagctatctg ctgaaatctg 180

ctggccttga gagagaaaag gattaccctt acaccgggaa ggacggtacc tgcaaatttg 240

agaagtccaa gggtgctgct tcagttcaaa acttcagcgt agtcgctgtt gatgaagaac 300

agattgctgc taaccttgtg aaatacggac cgctggccat cggtatcaac gccgtataca 360

tgcagacata cattggcgga gtgtcatgcc cataca 396

<210> 7052
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d08b1

<400> 7052

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cggctccgtc gggaccaggt gggccgtcct cgtcgccggc tccaacgggt actacaacta 180

ccgccaccag gcggatattt gccatgccta ccaaatattg aagaagggtg gtctcaagga 240

tgagaacatc atcgtcttca tgtacgatga cattgcgcac aacctggaga acccgaggcc 300

gggcgtcatc atcaaccacc cccagggtgg agatgtctat gctggggtcc ctaaggacta 360

cactggga 368

<210> 7053
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d09b1

<400> 7053

tctttctatg cggcctttgg gccataagac tggaaagtat gtttttcgct aaaacggtga 60

ccccaggagt accgaaggaa aagggtggaa gctcacggcg cgctaccctg ccaggatgcc 120

actagatagt tcatcatctg atttataact atttctgatc ttcattagtg agtatagagg 180

aactggagca catatcagtt tacctgtgtg cccacctcgc tgccgcaacc taccgtccca 240

ttcggtacta tcgtcaagtt atgtagtctt tatggacatg gttaatgata tcttgtcagg 300

aaaaaagatt gc 312

<210> 7054
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d10b1

<400> 7054

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cggttactcc tcctcctcct cttccgtcaa gatggcgcgc tcggcgctgg acgaggtgac 120

cgacaccggc gccttcgacc ggacgccgtc caccttccgg agcttcgtgt ccagggacgc 180

ctccgcccgc ttccccgcgg tggcgggcag gtaccacctc tacgtctcct acgcctgccc 240

ctgggcgtcc cgctgcctcg cctacctcaa gctcaagggc ctcgaccacg ccatcagctt 300

ctcgtcggtg aagcccatct tcgagcggac cagggagtcc gacgaccacc tgggggggt 360

gttcccggcc accgccgacg aggtgcccgg cgccagcccc gacccccttca acggcgccaa 420

gagcgtcagg gatctgtacg agatggcgag caccaactac accggcaaac cgac 474

<210> 7055
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d11b1

<400> 7055

ttcgttccct gccgcgcctc ggcaccacgc tgcactacaa ctacacggcc gagggcaact 60

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ggctcaaccc caacggcacg ggcatggtgg gcacgcaggc cgtggtggcg ttccggcatt 180

ccaacggcag cctcgtcgcg tacccgacga tgctggacag ctacgcgccg tccatggcgc 240

ccgcggacgg tgccgagctg gcgttccccg tgtcggacgt ggcggccgag tacgccaaga 300

acggcaagga gatggtcgtg tacgcgacgg tcgcgctgcc cgggaagggg agcaagttca 360

cccacgtctg gcagcagggg ggct 384

<210> 7056
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e05b1

<400> 7056

tttatttgtc cggcgctccc gtgtgtcggc cgctcggggc cgctcgctat gctccaccca 60

atcctccgcc acctcggcgc ttacaccaaa ccggtgacgg ggacgcgtgt ctccctccct 120

gtcacacaca tccggctgct agaaccttca gcttggccga cctgggcagg gtcgagcaga 180

gcagagcaca gtttacgccg gacccggttc tcaccagatc cgggtgaata accgctgctc 240

tacttggatc tgctaggagg gggaga 266

<210> 7057
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e06b1

<400> 7057

tcttgttcaa gcataaggag gctgtgaagg ctgctttgga cgcggttgaa aagaagaagg 60

aagaggagga cgcttccaag gctggtgagg acgatgatga ctaggatgat gaggatgcct 120

atgatgagga cacggatgac agggctgggt ctgatgtcga gtttgatgac gagaagcacg 180

atgagctcta gatggatggt gaggatgaga gg 212

<210> 7058
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e07b1

<400> 7058

tctgtgtgac gtcacaccgc tctcgcaggg gggggagatt gccggaggtg tcatgtccgt 60

gcttatccca aggaacacga caatccccac caagaaggag caggtcttct ccacctactc 120

tgacaaccag cccggcgtgc tcatccaggt atatgagggc gagagggcga ggaccaagga 180

caacaacctg ctcggcaagt tcgagctctc cgggatccca ccggcgccca ggggtgtccc 240

ccagatcacc gtgtgctttg acattgatgc caatggtatc ctgaacgtct ctgcggagga 300

caagaccacc gggcagaaga acaagatcac aattaccaac gacaaggggc ggctgagcaa 360

ggaggacatc gagaagatgg t 381

<210> 7059
<211> 416
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189012e09b1

<400> 7059

tcctacgcgt ccgcggacgc gtgggtcgca ggtgggacta agcaggatgc catggatctt 60

cttcaaggac gttacatcac atctgttagt cgagacatgg cacctccaac aaaagcagga 120

tttgtagaga gctatgcgtc cgcccgcctt gcttttgcat tggtttccgg agcttttatg 180

ttcatgatga tgtcactgag acatgctcgg catgatgctc gtcatttatt gctgtcactt 240

ctctgggctg gtctttgcat cgggatcaca cactttgtga gaagcaatgg ccgggtattc 300

acgaaccggc cccgtgccca caattcgtca cacccttgat ggaaagcagg cggngtgata 360

gattatcatt cgttcatcaa acaatggcag tactccactt ttttctatgt agagat 416

<210> 7060
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e10b1

<400> 7060

ttgttacgcg tccgctccac cctctccagc gcatcgccta cctcaacatg tcgacctacc 60

cgatcgtcac ggtgttcatc ctggcctaca acctcttccc cgtcctctgg ctcttctcag 120

agcagttcta catccagagg ccgttcggca cgtacatcat gtacctcgtc gccgtcatat 180

ccatcattca cgtgatcggc atgttcgagg tgaaatgggc ggggatcacg ctgctcgact 240

ggtgccgcaa cgagcagttc tacatgatcg gggccacggg cgtgtacccg acggcggtgc 300

tttacatggc gctcaagctc gtcaccggga aggggatata cttcaggctc acgtccaagc 360

agacggacgc ctgctccaat gacaagttcg ccgacctgta caccgtgcgg tgggtgccgc 420

tgctgctccc gaccatcgtg gtgctcgtcg tgaacgtc 458

<210> 7061
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e11b1

<400> 7061

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actccatgta tggacatgtc gctaaactag ctgatgagat caagaaagga gtgtcatcag 180

ttgaaggtgt cgaagctaaa atatggcagg tccctgaaac tctccccgag gaagtacttg 240

gaaagatggg cgcgcctcct aagcttgatg ccccaatcat cacaccacaa gaacttgcgg 300

aggcagatgg gatcctcttt ggtttcccta caaggtttgg catgatggct gcgtaaatga 360

aggcattctt tgacgc 376

<210> 7062
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e12b1

<400> 7062

ttcgttacgc gtgggcgagg acaagatgaa ggagcgggag gctttgagca accccatgat 60

tttcaagatg taccagggtg ctggtgccga catggagggc ggcatg 106

<210> 7063
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f01b1

<400> 7063

tttcgttacc ggaaaagcta cttggggatc ttgggggttt tttatccaag aagtggattc 60

caaataagaa cggcgcaatc aggggcccta tgctgaccag agatgattcc ttcatacgca 120

agggcagcca tatggagcag aggcacaaac tggggctggc agatcgtccg cgtcgatcca 180

atgcacgcca attcctatcc gaacccacat catagcttga gaaagtctag ggggagaagg 240

caaagcagga tgatggccta tctgatctta gcgacatact gaccgagttg gaaggaatgg 300

ccattgacat gggaactg 318

<210> 7064
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f02b1

<400> 7064

ttcgtttccg cttctctagc gagcgagcaa gctaggcttg gaggtgaccg aaaatcccgg 60

tcagtaggat cgccgtgggg agccaccgtg aggtgtacga ggtgggcgcc ctcaaggc 118

<210> 7065

<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f03b1

<400> 7065

cgggtcttga atatctccat aataattgat taagaaccgt actccacagg gacatcaagc 60

caggtaatgg gatgctggat atggacttca ctgctaaact gtgtgacttc tgtttggtga 120

cacagcttac acgtgccgca acctcacgct caacagataa cattattgga acactaggct 180

acatggaccc attataccag cagaacggcc aggttactaa ag 222

<210> 7066
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f04b1

<400> 7066

cttgtttacc ggctcgccga cgtcgaccgc tccgcccgca agaagaacag cctcaggttg 60

gatgactggg tgctgtgccg gatctacaac aagaaaggcg cctcggagag gccgagcgcc 120

ggtgaccgga ccgcgagcgc gagccccggg cacgcggtcg tcggatcgcc gccggagcag 180

aagccggccc tgctgccgcc atacgcgccg cagccgttct cggacctggc ggcgtactac 240

gaggtgaggc cgtcggactc gatgccgcgg gcgcacgccg actcgagctg ctcggagcac 300

gtgctgacgg cgtcgtgcga gcggccggag gtgcagagcc agcccaagat ctccgagtgg 360

gagcgcacgt 370

<210> 7067
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f05b1

<400> 7067

cttcttttcc gcccgccgtc atccagtccg ccatccggat cccccagcat cgcagccgaa 60

atcaaatctg ccctccccat cccatctcca ctccccatcc catctgatct ccacccacga 120

tggccaatat ccaccacgtc aacaacgttg cacagatgct cggtgtctta gtccagttcg 180

ttggagtcga cctcaatgca gcagccggcc acaccgtgtt tatccacggc gtgaactcca 240

tcaacgactg cgctgagatg ctgcgccacg ctgagtacct cgaagacaga ggtgcagtcg 300

actccaacgt agattcactc cgtctgctg 329

<210> 7068
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f06b1

<400> 7068

ccctgctctc tctctctctc tctctctgcc ggtccctctc tctctccttt tattctgcaa 60

ccaatcttgg gttgcgccgg cgggctccag tacggccgcc ggggccgggg aaagcgaagc 120

agcagctcgc cagtgctgcg ggaaaggaaa cgcgaagacg ctgaatataa atctacagaa 180

tgatggctcc tgagttagat aagcaatgct caaacatcca gctgggagaa gaactagaga 240

tatgtgatat caagcttgcg ctcaaggcat tgcgaaagaa gatccttagt ttggattttc 300

ataactcctt gcatgttcat gatccacaga actcatttga gtacttagaa gtgttatata 360

aattgcggca gctgtctgag aagttaggta atttggaccc tggtggagaa gccaaagagc 420

acaaggaact ga 432

<210> 7069
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f07b1

<400> 7069

tcgatcccat ggacgcggct cagtcaaaat gggggttcct aatgcaggtg ttcaagatgc 60

caccggatac caaccggaca aagctcttcc caccggccaa tttcaagatc tctggcggct 120

catcgctgaa cccagactat agctgtggcc agccagtgcc tgtcagcccc accgggttcc 180

ctaatcccag cgggctcgac tctacaacgc tggcggttgc gacatggcag gtggtgtgca 240

acattaccac ggccaagggg gccaagccca agtgttgtgt caccttctcg gctcactaca 300

atgactcagt cattccctgc aacacctgtg catgcggttg ttctgtgaac cgccgggtc 360

ctacctgcag cacgactgct ccatccatga tc 392

<210> 7070
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f09b1

<400> 7070

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agttcctcag agtggtggag aaggccaagc tgagttagtt cttgattctt gtattggtag 120

ttccactgtg catgacccgt ctaagatgtc tgctgagctt tgcattggtg aatcttgcac 180

ttctatgtta cagttgacga agaggtatct ccgattggca acaactaatg catcatggac 240

tgcgaacaat tcttttgcag tctacccgta ttattatggg gcttacttta cttcgggtgt 300

ggcattgagt ggcaccacag gctatattac tggtgattat gtggggcttt tg 352

<210> 7071
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f11b1

<400> 7071

tagaaaataa aaatccccaa tccctccgcc cacggaccac tgctccccgt cctcccctcc 60

cagatctgcc gggcacggcc ctcgccggcg gcgttgggtc cgcgatgcct cggacggcgc 120

agggggcctc gcccctgctc cgcgacgacg ccggcgccct cctcccctcc gccatctgct 180

gctcccaccg cctcaagccc tggtcttggc accccaatat ccactcctcc tagcgcgccc 240

caaacctgcc tgccgtcccc ttcctccccc ctaccttccc tccccccttcc tccct 295

<210> 7072
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f12b1

<400> 7072

ttgatacagt aaacagagag ctcgctctcc gggaagggtg tctttgaaga agaggaagat 60

taagaagcag cgtggagcac gctgctgcta cctggtcatg ctctcagcag tgtgaatctc 120

cagaagcatg cttgccgtgc cttcttccgg gtgcaccgga ggctggcatg tgagcagggg 180

tgcttcagtg acgcagaaga aaaaaggcaa gtcttatcgg caagggaagg ctacgccttt 240

cttccaggtc tccctctctc catctaaatc tgtgtttgga ggaggggget acggttagtt 300

cacccaccg 309

<210> 7073
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g01b1

<400> 7073

cgttcgattt aacgcggcgg cggcagcagc ggcagggcag gatgtagata ggagtatcac 60

caccaccgtg caagaaatgg cggtcgagac tttcctcttc acctctgagt ctgcgaacga 120

gggccaccct gacaagctct gcgaccaggt ctctgacgct gtgcttgacg cgtgcctcgc 180

ccaagacgct gacagcaagg ttgcctgtga gacatgcacc aagaccaaca tggtcatggt 240

ttttggtgag atcaccacca aagccacggt tgactatgag aagattgggc gtgacacctg 300

ccgcaacatt ggcttcatc 319

<210> 7074
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g02b1

<400> 7074

gtctattgcc gggtcgaaga agctgatcta cttcgggccg atggcggagg ccccgccgtt 60

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ggcgtacaag gcggtgatgg agagcggcgc ggcggtggcc gtgaagcggc tcaaggacgt 180

ggacctcccc gagccggagt tccgcgagcg gatcgcggac atcggtgccg tgcagcacga 240

gctggtggtg ccccttcgag cctac 265

<210> 7075
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g04b1

<400> 7075

ctcacgtgtc cgcccacgcg tccgtcacgc gtccggagca aagcagttga atatgataac 60

tttattgagt gttgccttac agtcaagggt ctgactgaga agttcaagga gaaggacaca 120

gcttattccg ggtctgcaac tttcagttac gaggcattca tgttgactgt gctcccttc 180

atcatcgcat gatgactccg cagttcaata caaagactga gctttgagtg tgttgttcca 240

tgtgtcgaaa cgtttttcca tcggaggtgt agtttgtctg aattcgagtg atgtcgctgc 300

gttcctgata aggtgatacc ctggagattg gaaactgcct atggatggtt tggaactctg 360

<210> 7076
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g05b1

<400> 7076

gtgcgctgcc gtccgaatct ctgcgcgagg caggccggtc aaccgatcca tccggccatg 60

gcgtgcaggg gcttcttcga gtgcgtcctc aagctgctca acctcgtcct catggctgtc 120

gggctggcca tggcgggcta cggcgcctac ctgctcgtgc tctggctcca gctgctgcct 180

ccgtcgccgc cggcgccgcc tccaagcggc gacctagtgc accttggccg gccgatgctt 240

cttcttattg acgtgtctat ctcagatggg acctcggaga agctcatcag cgcatggttt 300

atttttgcat ttataggtgt cggtgttata cttttcatta cctccatctt cggttgtgct 360

ggagcgtcag ctaggagtgg atgctgctta tccacttatt cattcctcat cattttgttc 420

atactagtag agc 433

<210> 7077
<211> 447
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g06b1

<400> 7077

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gagacattat gggatgggcc gcgcggttcc tgactgcggt ctcattcctc gccttgggcg 120

tcctcttcgc gccggacgcg ctcttcggcg gcgcccccgg ccgcccagcc gccggcgtcg 180

cggcggcgag gctggcccat gtactctgct tcgccaccgc atgggggccc gcgctctggg 240

tcaccttcat cggcggcatc gtcatgttca agcatttgcc aaggcaccag ttcgggagtc 300

tgcaggggaa gatgttccca gcatacttca tgttgatatc ggtgtgttca gctatatcgg 360

ttgcagcatt tgcatacctc aacccatgga agacagcatc aactgttgag cgttaccagc 420

ttggtttcct tcttgctgcc ctcggtt 447

<210> 7078
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g07b1

<400> 7078

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cctgcgtcgg cgtgtggcag catgaccgag ttgagatcat cgccaacgac cagggcaacc 180

gcaccacccc ctcctacgtc gccttcaccg actccgagag gctcatcggc gatgcggcca 240

agaaccaggt cgccatgaac ccggtcaaca cggtcttcga tgcaaagcgt cttattggca 300

<210> 7079
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g09b1

<400> 7079

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tccaggaaga ggaggaagaa gaagaagtgt ggagcacgct gctgctacct ggtcacgctc 120

tcagcagtgt gaattcccag aagcatgctt gccgtgcctt cttccgggtg caccggaggc 180

tggcatgtga gcagggatgc ttcagtgatg cagaagaaaa aaggcaagtc ttatcggcaa 240

gggaaggcta cgcctttctt ccaggtctcc ctctctccat ctaaatctgt gtttggagga 300

gggggctacg gttagtttac ccaccggttt 330

<210> 7080
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g10b1

<400> 7080

ttggtatctt gtccagagct ttgcagtcac cggaggctct attggtacaa aatgccatct 60

tatttctcaa agtcattgga gcattcgatc agaatgaaga gttcacagtt ctaggaaagc 120

ccctgtctat gcttccagtt gagcctaaca taggcaagat gctgatttgt ggggctatat 180

ttaattgcct tgatcccata ttaaccatct gttgcatgga cttatcggaa gagatccatt 240

catgacacca tttgacaaga aggatcttgc g 271

<210> 7081
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g11b1

<400> 7081

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gagcgcacga cggggccaac cacaatgctc tcagtgtcgt aaactatggc tcgccctac 180

tgcacctcag tgctgctgat actggggatt tgcagattgg tctgcggagg atggtcaaga 240

gtttggacaa tcaaagcttc tctccgagct cagaagtctt gagttcaagc atggccactg 300

tattcctttt gacgccaaat cttgaccggt ttactaccca taggagacgg ggttcagaca 360

gaccccattg attcattatg taaagcaacg gaccaaacga ttcagtgacc tgatcaggat 420

a 421

<210> 7082
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h03b1

<400> 7082

ttttattcct gcccaacctc gagaagatga agtgggacat ggtcaattcc ttcatctgtt 60

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aaaccaccgc gtcgacgcat caatctgtgc atgtacccaa aa 162

<210> 7083
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h07b1

<400> 7083

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cacaccggcg accatggccg aggacctcat gggctgctac acccctcgcc gcgccgacga 120

ccagctcgac atccaggagg ccgccaccgc cggcctacgg agcctggagc tcctcgtctc 180

ctccctctcc ggcgcggcgc cgtccaaggc gccgcagcag cacccgcagc agccgttcgg 240

cgagatcgc 249

<210> 7084
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h09b1

<400> 7084

tcgatcatcg cgtccgaatc actcgagcaa aaggaaggcc atagtcaaat gttacctgat 60

gttcttcctc cttttggcag gtctcttgcc cgaggcgcgc gcgaattcgt gccaccccgg 120

cgacctccgt gcgctgctgg actttgccgg gagcctcaat ggtcgggatg tcctcctccg 180

tgccacgtgg tccggcgccg catgctgcag ctgggaaggc gtgggttgtg acgccgtcaa 240

<210> 7085
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h10b1

<400> 7085

ttgatgtaac gagctagcta gccagcattt gggggggcac attttacata catatcccct 60

tgctgggcta gctaaaccga tctagaggat gtcgttggtg aggttcttcg acacgctggc 120

cctggactcg tggaacccct tcggcagcat cttcggcacc acggcgtcca gcggcaccga 180

cgcctggctg gccagcgaca cgacggcgtt cgccgacacc tacatcgaga gccgggagac 240

ggcggaggcc tacgtgttca gtgccaggct ccccgcgggc gttaccaatg aggagg 296

<210> 7086
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h11b1

<400> 7086

tttgttcgat tgcagttcat acatgctgat ttaggcggtc caattgctgt taacagaata 60

ttcgcagaaa atgcatttga tgccgtcatg cacttcgctg ccgtagcgta tgtgggtgag 120

agcacgcttg agcctctgag gtactatcat aacatcactg caaacacttt ggttgtgcta 180

gaagccatgg cgacgcacaa tgttaaaacc ctgatctact ctagcacatg tgccacctac 240

ggggaacccg agaagatgcc tatcactgaa gaaactcccc agtttcctat aaacccatat 300

ggcaaggcca agaaaatggc agaggatatc attttggact tctccaagtc gaggaaatca 360

gacatgtcgg tgatgatcct gagatacttc aacgtcatc 399

<210> 7087
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a01b1

<400> 7087

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taatcagaat gtcccagaag aaaggaaact gagattcatc cactgggatt ttcataaatt 120

tgcgaaaagc aagtccgcaa atgtgctggg tgttttagga ggtgtggcga gtgaagcact 180

ggaccttact ggattttact acagtgggaa gccaaaagtt cagaaaagaa ggtctatcca 240

gcttagtcga actagcactg caagggatgt tgaaataaga gctagttctg gagaccttcc 300

gagactctct agcaatgctg atgcacttgg ttctatagct tctcaggata tgagaaaaga 360

ggatagcaaa catgagcctc ttggtgatgc tccttgttat caaactggag ttcttcgtac 420

gaattgcata gactgcctgg atcgcacaaa tgtcgcacag tatgctta 468

<210> 7088
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a02b1

<400> 7088

ttttgtacgc gtgggcggac gcgtgggcgg acgcgtgggt tctcccccaa ttccagatcg 60

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cacgccgttc cagatccgcc ccctgagttg cagggcctga tcgttgggcc cttggagaaa 180

tcactcgagg ttgcgggtct cggatgcggc catgagtttg ccggggaaga aggccgcggc 240

cggggctggg ggaatccggc ggtggctctc caccgccgtg ctgtcggcgc tggcgctggt 300

gctgatcctg gtggtgatct cgctgtcggt gggctcgccc ttgcccgggg cgtcgctccc 360

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<210> 7089
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a04b1

<400> 7089

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accaacaagt tgcagaggaa gcagctgagg ctgagggtgc aggcgccatg gcgacaatag 120

caaaccaacg tagaacgaca aaaaaaggtg caggggcagc atctacccca agaaatagca 180

cccaagagaa atcaaagacc cagggaaagg gctacaagga taaatgctat gagtgcatag 240

ggaaggctgt tgaggctcgc ttcgacaaat tgctcactga gcttgttttc tcagaagata 300

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atgttgcacc atgttttcct cctagatatg aaattt 396

<210> 7090
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a05b1

<400> 7090

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ctcaaccgga gcttcattaa ggacgtgaag cgcatcatca tcaaggtggg cactgcagtt 180

atcaccagaa atgatggaag actggctttg ggcaggattg gagccctgtg cgagcaggtg 240

aaagatctta atgctcaagg atatgaggtg attatggtca cctcaggcgc tgttggtgtg 300

gggcgacagc ggctcaggta ccggaagctt gtcaatagca gctttgctga tctgcaaaag 360

ccgcagatgg agctggatgg gaaggcatgc gctgctgttg gtcagagtgg tctgatggca 420

ctctatgac 429

<210> 7091
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a07b1

<400> 7091

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gatcgggccg ggaaaatggc gcgcgcggtc tccctgtcgg cgctctgtct cctcctcgcc 180

gccgccgccg ccggagctcg agtggacccg atttattctg gcaaactggt gctggactgg 240

agcaaggaac ccaagtttaa actgcagaat ttctccctga atcgagagga caatcttcag 300

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aagatggaaa cagtacagca ggatgatgaa gccctagtta 400

<210> 7092
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a08b1

<400> 7092

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ttctatggat ggttttaaga acatgctaca tgagctagct gatgggcgtg aaaacccaga 120

tggtgcagat cagggcttgc ttgctagcta tttgccagac ttgcttgatc agccaatgtt 180

ccatacacca ggtaatggca ccaaacttga tggaaattat cgccttcctc taggctatca 240

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tgtggataca tttccaagtg ctccatggat gaagccat 338

<210> 7093
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a09b1

<400> 7093

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ttggaggtga aagagatcgc tgatattatg ctcaaggagg tgtttgatag gctcaaggca 180

aaggaaatcg acctccaggt aacagagaag ttccgggata gggttgttga tgaaggttac 240

aacccgagct acggtgccag gcctctgcga cgcgccatta tgaggctttt ggaagacagt 300

ctggctgaaa agatgctggc tggcgaggtc aaggaaggtg attctgctat tgttgatgtg 360

gattcggatg gtaaggtggt agttctcaac agcgggggtg gtat 404

<210> 7094
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a10b1

<400> 7094

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tacgacggta tgtgcggcct cagcccaaca cgggcgacct gcgccacgac gccgctgccg 180

gcgaagaaca ggagcacgtc cccatcatcg acctcggccg gctgctcggt ccgaacggcc 240

tcggctgcgg acggggcgag gaggccacca ggctgcgctc ggcctgcgag gactggggct 300

tcttccagtt ggtgaaccac gggatacccg aggagaccct gggggagatg 350

<210> 7095
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a11b1

<400> 7095

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cccggggctt gggtcgccga tcacgcatgt ggatgttact tatgacggga agtggatcct 120

gggcaccaca gacacatact tggttttgat ctgcaccatc ttcaaggaca aggatggcaa 180

ggagaagacc gggttcagtg ggcgtatggg aagcaggatc gccgcgccga ggttgctgaa 240

gctcagtccg cttgattcaa tcttggctgg gaatgacaac aaattccatg gtggacaatt 300

ttcatgggta acggagaacg ggaagcaaga aaagcatctc tcgcgacagt cggcaagttc 360

agcctcatat ggaacttcca aaaggtgaag gacagc 396

<210> 7096
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a12b1

<400> 7096

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ataaattaca tggcccgcca gccacacgca taatcctatt tcacttgcaa aactttcgag 120

tgcatgttgc aaatcgaatg cggctaccgg gggattctct gttgcgccac ttgtgaacgt 180

gaggctgata cccggacacg ccgtagccgc caaacacgac gggctcaaac tcagccgctc 240

acgtccaccc gtgcgccgcc gaatgccgaa cacaaaaccc cacccacccc acgcacgcac 300

cgtgccggcg ttggcgtcgg catccgcatg aagagctcgg cggacaacgt ggaca 355

<210> 7097
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b01b1

<400> 7097

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gaaggccagg gcggcgttcc tggtgaggtg caaggccaac tctgaggcca ccctcgggac 120

ctacaagggc gacgccaccc ttgccgaggg cgcctcggag agcctccatg tcaaggacta 180

caagtactga tctgcccccc gctggatggt ttgggcattc ctgcttacta cctccgtctg 240

aaaataagtg tctgacactt atttttggac ggagtagtat ctgtttggtt tcatagtctt 300

gatattttta aatatcaatc cttgttttta ataatataag cttctactta tagttaattt 360

ttgacgttga atcccctgta atacatttgc tgagcagaat gtttttgctc taagcggcat 420

tgtatttttt ctgcttacaa tgaaatgaaa tggtgaaccc cccc 464

<210> 7098
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b02b1

<400> 7098

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ttggttggtt tggatcagtt catcaccaag aatgcaaccc tgacaaacga gaaggaagtt 180

gatgcctgcc caatcagggc aatgaagttc tctgtgtccc ctgttgtacg tgttgctgtt 240

cagtgcaagg tggcttctga tcttcctaag cttgttgagg gtttgaagcg tctggccaag 300

tctgatccta tggttctctg taccattgaa gagtctggtg agcatatcat cgctggagcc 360

ggagagcttc atcttgaaat ctgcttgaag gatctgcagg atgacttcat 410

<210> 7099
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b03b1

<400> 7099

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agagagagag agagagagag aaggaaggaa gaagatggcg gacgagggga ccgccaactg 120

catcgacatc atcctcgcca tcatcctgcc gccgctcggc gtcttcttca agttcgcctg 180

cgggatcgag ttctggatct gcttgctgct caccttcttc ggctacctcc ccggcatcat 240

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ccgctaggtg atccatggcg aacttgttct gtgtct 336

<210> 7100
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b04b1

<400> 7100

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ccctcctcct cgcagtggag tcgtggcggc gtgccggttg gcggtggatg cgggcttcgt 180

gcccggatcc ggcggggcgc aggccgtcgg cgggatgcgg cggcgctggc cgtcctgggc 240

cccgcgggcg gcagggcgga cgcgcgtggt ggtgggccgg tggctcgggg cggccgtggg 300

tggatctgga gctgcagctt ccggcctccc tagcttggcg gagctgtttg gcagagccgg 360

ccctctggga 370

<210> 7101
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b05b1

<400> 7101

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ccaaccccga tcagcctcag cagcgatggc ccccaaggcg gagaagaagc cggcggcgaa 120

gaagcccgcg gaggaggagc cgacgacgga gaaggccgag aaggccccgg cggcgaagaa 180

gcccaaggcc gagaagcggc tgccggcggg caagaccgcc tccaaggagg gcggcgagaa 240

gaggggccgc aagaagggca agaagagcgt cgagacctac aagatataca tcttcaaggt 300

tctcaagcag gtccaccccg acatcggcat ctcctccaag gccatgtcca tcatgaactc 360

cttcatcaac gacatcttcg agaagc 386

<210> 7102
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b06b1

<400> 7102

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gagctctcca acaaggactt cgactcctat gtgctatctg agtcgagcct gttcatctac 180

tctcagaaga ttgtgatcaa gacctgtggg actaccatgc tcctgctcac cattcctagg 240

attcttgagc ttgctgaaga gctgtgcatg ccgcttgctg ccgtgaagta ctctcgtggg 300

atgttcatct tccccggcgc acagcctgct ccccacagga gcttctctga ggaggttgat 360

gtcctgaacc gctacttcgg ccacctgaag tctggcggca atgcttatgt gatcggagac 420

cc 422

<210> 7103

<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b07b1

<400> 7103

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tcctgctgct cgcctcggcc gccatctcgc tcctcctcct ccgcctctgc ctcgccgcgc 180

tccgccgcgc ccccgcgccc gccccctacg ccgccgtcga cccggaggcc gccgcgcggg 240

cggcgccacc gccagtgccg cagcaggaac ccaaggcgcc ggagccccgg cggctggcgt 300

ggcgggaggt ggaggcgctg a 321

<210> 7104
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b08b1

<400> 7104

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cacggcgtat tgggaggccg cgcttccagg aattcccatt cccccggcta tcagtgacct 180

gttagcccaa caaaaagggc agcaaaaaat tggaccgaac tatgaaatag tcaacttcaga 240

gggtggtcac ggggacaacc atgttcatat catatcacag gttaaagatg atttaaaaga 300

ggcatatggg tctcatggtg aagaaagtag aaagaatgtc atgatggcac ttgagccaaa 360

aattggtaag gatctgaagg gacaaccatt gtcacatggg ttacaagcta aaaattatgt 420

agaag 425

<210> 7105
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b09b1

<400> 7105

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gatgttgtct ctgaggctga tatctttgtg accaccaccg gaaacaagga catcatcatg 120

gttgaccaca tgaggaagat gaagaacaac gccattgtct gcaacattgg tcactttgac 180

aacgagattg acatgaacgg ccttgagacc taccctggtg tcaagcgcat caccatcaag 240

ccccagactg accgctgggt cttccccgag accaagaccg gcatcattgt tcttgctgag 300

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ttcactaacc aggttattgc tcagcttgag 390

<210> 7106
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b10b1

<400> 7106

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tcctcccgcc tgaaccccca ttaactgctc ggcaccggag aagagatccc ccgtcctctg 120

acgccagcgg ccatgtccgt cacgcgggtt cttgcgctgc tggcggcggc ggcgctggtg 180

gtcgccgcgc cggcgcgcgt gggcgcggcg ggggcgtgcg cggcggagag gttctccaag 240

aaccgcgtgt acgcggcctg caccgacctg cccaccctgg gcgcgtccgt gcactggacc 300

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ggctgggtcg cctgggg 377

<210> 7107
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b11b1

<400> 7107

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gacgaacgcc atggtgaagg cgaagctcct cgctgtgctg gccctcgtgg ccgtcgccgc 180

gccgttcctc cgcgccgccg gccaggagga gggtgagggc ggggcgaggc cgtcagagct 240

gctgccgttc gcggtgggcg cggcgccggc ggggtgcgac gtcgggcagg gcgagtgggt 300

gtacgacgag gcggcggcgc cggcgtacga tgaggaggcg tgcccctaca tcccggcgga 360

gctgacgtgc caggcgcacg gccgccccga caagtcgtac caacactggc ggtggcag 418

<210> 7108
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b12b1

<400> 7108

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agctgcaagt ggcatggaag aaggcgaggc cggccccgac gacgccggag gaagccggcc 120

gcctcgtggt gctgacgctc aagaaccacc agaaggcgga cgtcgacggc ctcctcgcct 180

tctacggcct cccgcacccg aacgaggcgg gatcggcgcc accgccggcc gccggtcacc 240

acgctcctcc ggcccagcac agcgcccccg cgcacaagcc ccagggcgtc aagttcgagc 300

tgcacacgct cccggtggac gccaaggcgg tggccgacgg cgacacggtg acggtgtacg 360

tggacacgaa tgacgccccc agcgagatca agaaggccgc ggcggagcgc accaaggcgc 420

gcgc 424

<210> 7109
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c01b1

<400> 7109

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atggtctgga gtcactcacc gactgctgtg gtggtgatgg gacgaccgca agggccatcg 240

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tcccaagtga tggtgttgtt aactatg 327

<210> 7110
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c03b1

<400> 7110

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gtcaataaca aggcctgctc cggcaagccg gagacggtca tgatcaccga catgaactac 420

tacc 424

<210> 7111
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c04b1

<400> 7111

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ccagcctctt ccagatcgac gacggagagg cccaggatca ggatcaggcg gggacgccaa 180

caatggcgac cgccggggag ctcgtcgggc tccggctgat catacagccc tcgccgaggc 240

gacaacaacg gccggcgctg gccgtcctca ggaggtcttc ggtgaggtcc ccggctgccg 300

acctccagga gaacagcggc tgccggccgt tcgtgggcct tgagttcttg aagtgctgcc 360

tctgctgctg caagaagatc gacggcgaca tggacgtctt cgtgtacaag ggaga 415

<210> 7112
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c05b1

<400> 7112

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ccgtcctcct cgccgacagc ttcacgctca agttccgccc catcaccctc gagcgcccca 180

aggtgcttct gccgctggtg aacgtgccca tgatcgacta cacgctgtcc tggttggaga 240

ccgagggcgt tgaggaggtc ttcgtcttct gctgtgcgca cgcgcagcag gtcaaggagc 300

acctggagga ggcgggctgg actgggaagc ccgcggcccg ggagatggcc gtcatggccg 360

tcgagtcgca tgatgcgatc agcgcaggcg acgctctccg cgtcatgtat 410

<210> 7113
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c06b1

<400> 7113

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gcaaggggaa aggtaccaag agggtgcatt tcgtcaggaa cttgatccgg gaggtcgctg 180

ggtttgctcc gtatgagaag cgtatcactg agcttctcaa ggttggcaag gacaagcgtg 240

ccctgaaggt ggcgaagcga aagttgggta cccacaagag ggcgaagaag aagagagagg 300

agatgtccag tgtcctcagg aagatgagat ctgctggaac tggaacagac aagaagaaat 360

agagcatccc aggctcatga agttgat 387

<210> 7114
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c07b1

<400> 7114

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cgctcagcct caagggcgtc ggctacgagt atgtcgaaga ggacctcaag agcaagagcg 180

agctgctcct caagtccaac cccgtgctcc agaaggtgcc ggtgctgatc cacgacggca 240

agcccatctg cgagtcgtcg gtcatcctgc aatacatcga cgaggctttc gccggcgtcg 300

gctcctcgct cctcccggag gaaccccacg gccgcgccgt tgctcgcttc tgggcccgtt 360

acatcgacgg cacgctcgtg aaagca 386

<210> 7115
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c08b1

<400> 7115

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gatctcgact cctctagggg tcgtcctcgt gcactccgcc gccgccagat cgaggtcgga 120

gctgggcttt ggagcagcca tgggttcaga cctcagagat gtatgtgttg ttggggttgc 180

acgcaccccc atgggtagtt tccttggtgg cttgtcttcc ttgcctgcta cgaaacttgg 240

ctctatagca attgaagctg ctctgaaaag ggcaaatgtc gatccatccc ttgtgcagga 300

ggtcttcttt ggcaatgtct tgagtgctaa cttggggcaa gcccctgcaa gacaagctgc 360

tttaggtgca ggaataccaa atacggttgt ttgcaccaca gtcaaca 407

<210> 7116
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c09b1

<400> 7116

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cttgtttcga tctagcccgt gaagtccaca tagctagttt tcatgtagcc cagaagcgtg 120

ctggttcacg ttaagtaaag tttttctcct gtgttgtcaa gacgtgtggc aggttgtgcg 180

gtgacgagta aaaatatttc attatatgcg aatactatga agaccagcgc ggcctgtgcg 240

acagaaattt ccttgttgat gataggcgct tcagcatcaa gctggatgag accatcgaag 300

tggatacagt aagtcacaac gacaaatctt ttttcgtaat taagcatgac ttatatatgc 360

ttcatttgct tcaacttata attttaaatt ttcactattc tactagcgca tcctctgcca 420

tgcaaga 427

<210> 7117
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c11b1

<400> 7117

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aagccatcca tggctctccg ccgcgccatc gggtccctcg ccgtccgctc gcaggcatca 180

tactgcctcc gccgcgccgc cgcctcgccc cccaccctca cgcctcctgc gccccgcct 240

acgtccttcc gccgcccggt catcgtccca cgccgctcct tcgccgcccc gccccagcac 300

gtcaagaagg tggccaagca cgacg 325

<210> 7118
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c12b1

<400> 7118

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gaatattgtt ggacgaactg acaaagtttt tggatgattc tccgaaccac gacgtagttt 180

ttccagagaa ttctggtctc cctccaatgt ctgggcttga ggctcaagct tttgagataa 240

atactgctga gctctatgac caattggcag gacttaccca gtcaggagat atgtctgctg 300

taaatttccc tgctagcaat ggcgatgtta ttgaaaacaa tttgcagcaa acaaactctg 360

gacttgctat ggatgatgat tatatcaggg ctggatgatc tgc 403

<210> 7119
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d01b1

<400> 7119

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atatgggata aggaaacatg gaccttgatt gaaaatgttt ttgaggatag tgctggaagt 180

aaaatcatca ccacgactcg taaccgcaaa tttgccgaag aatttggtgg catctacgag 240

atgaaaccac tatgcacaga tgactccaga aagttactcc gcaccaaagc taaagttaaa 300

ggccatgata ctgaatttga tatattgtca gataaaa 337

<210> 7120
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d02b1

<400> 7120

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tcgagcagag taaagcccag ctggttgtca tagctcatga tgttgatccg attgagctgg 180

ttgtgtggct ccctgctctt tgcaggaaaa tggaggtccc ttactgcatt gtcaaggaa 240

aatctcgcct tggatcgatt gttcacaaga agactgcctc tgttctgtgc ctgaccacag 300

tgaagaatga ggataagctt gagttcagca agatccttga ggctattaag gcgaacttca 360

acgacaaat 369

<210> 7121

<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d03b1

<400> 7121

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ctcggagctc cagccatggg taaggagaag actcacatca acatcgtggt cattgcccat 120

gtcgactctg gcaagtcgac aaccactggc catctgatct acaagcttgg aggtattgac 180

aagcgtgtga tcgagaggtt tgagaaggaa gccgctgaga tgaacaagag gtctttcaag 240

tacgcctggg tgcttgacaa gctgaaggcc gagcgtgaga ggggtatcac cattgatatt 300

gccctgtgga agttcgagac caccaagtac tactgcaccg acattgatgc ccctggtcac 360

cgtgacttca tcaagaacat gattactggt acct 394

<210> 7122
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d04b1

<400> 7122

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cgacctcatc atcgacgtgg ccaacgagga cctcgcctcc ctcgcctccg accgcgccgc 180

cgccaccgcc tgggtccaga ccaacgtgca ggcccaccag ggcctcaaca tcaagtacat 240

cgccgccggc aacgaggtgg gcgaccaggg cggcgacacg gggaacatcc tcccggccat 300

gcagaacctc gacgccgcac tctccgcggc cgggctaggc ggcatcaagg tgtccacgtc 360

ggtgtcgc 368

<210> 7123
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d05b1

<400> 7123

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gtgcgggagg tcctcccccg accggatggc cctgcgcatg gccccgtgca tctcggcggc 180

ggacgagccg gactcggcgc cctccagcag ctgctgctcg gcggtgcaca ccctacggaa 240

gagccccagc tgcctgtgcg ccgtcatgct gtccggcacc gccaagatgg ccgggatcaa 300

gcccgaggtg gccatcacca tccccaagcg ctgcaacatg gccgaccgcc ccgtccgcta 360

caagtgcgga gattacacgc tgccttgatg gcccagctct ggtgctg 407

<210> 7124
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d08b1

<400> 7124

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caagaagctc cgtcgtcgtc gctaggaaca atcgatggct gctgcggctg ctggtggtgg 120

tgctggtggt ggtgttgcgg gggtg 145

<210> 7125
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d09b1

<400> 7125

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caacaatacg ctaggttgat ctggagacct cacgtgtgct catcctgctg tacgagcaga 120

cgatgcgcgc gatccgtgcc gggcgactca cacagggcgg cagagatgac caggaagcgg 180

cgagttgctc ggaagtgaag cgctaaaagg agggctcgaa agcaggggag actcggagac 240

gagcactttg aaacaggtgg ctcaaagaac tgtcgtgggc tcgtggcatg gttgctgcgg 300

atataaggca gcggaaataa cccggccgca ggtggtggtg ccaggggagg agag 354

<210> 7126
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d11b1

<400> 7126

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tttctgaaca tgttaatatc tgttctgatg aggtcaatga cgtgcctcct gaaattgatg 120

gaatattgtt ggacgaactg acaaagtttt tggatgattc tccgaaccac gacgtagttt 180

ttccagagaa ttctggtctc cctccaatgt ctgggcttga ggctcaagct tttgagataa 240

atactgctga gctctatgac caattggcag gacttaccca gtcaggagat atgtctgctg 300

taaatttccc tgctagcaat ggcgatgtta ttgaaaacaa tttgcagcaa acaaactctg 360

gacttgctat ggatgatgat tatatagggc tggatgatct gcttgctcct ggggaaacct 420

tctcctatga tttttctggt gaaacctttt tctatgat 458

<210> 7127
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d12b1

<400> 7127

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gttatctgtg atcttccaga agttgctaaa cataatctac atttacactg cactaaccaa 180

aaattgatta tttttgccga aatcgaatca accaatgagt acaatcccat cacaaaccgc 240

attcgcgaaa gaagacacaa aagatatcgc agaagagtcc gtcttccttc ccaagttgac 300

gaaacgaaaa ttgatgcaaa attggaaggt ggggttttga aggttgtttt gccaaaaact 360

aaggaacatc agggtgaaaa taaacaaa 388

<210> 7128
<211> 357
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e01b1

<400> 7128

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gatgtcgggc cgcggcaagg gagggaaggg gctgggcaag ggcggcgcca agcgccaccg 120

gaaggtgctc cgggacaaca tccagggcat caccaagccg gccatccggc ggctggcccg 180

ccgtggcggc gtgaagcgca tctcggggct catctacgag gagacccgcg gcgtgctcaa 240

gatcttcctc gagaacgtca tccgcgacgc cgtcacctac accgagcacg cccgccgcaa 300

gaccgtcacc gccatggacg tcgtctacgc gctcaagcgc cagggacgca ccctcta 357

<210> 7129
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e02b1

<400> 7129

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ggttcctgat ccttatggaa ttgagaccgg caaccaagag aaggcccctg aaggctatga 120

ggagaaatgg ctgctcaata ttcatgccat cgacacgagg ggcgtggccg acaagcctag 180

ctgcaccgag tgcaagtgcg acttctacaa tgtcacaatt gatgagtatg ggcgcacagt 240

ctcgaagaac tacactggtg ggttgctttg ctgctatgat cagacccagt gtcggctcaa 300

agcagggttc aacgccgagg tgcggaaggt gttcttgcag tacaccgtga cttggctcga 360

ctggactgat gcggtggtgc ctgtcaagat ctaca 395

<210> 7130
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e03b1

<400> 7130

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ccggtagtcc ctaccccgcc gatccgctca ccgccaatcg tgccaccgac cggcgggggc 180

agctgcccga tcaacacgct gaagctgggt gtgtgcgcca atgtgttgaa cctgctgaag 240

ctcaagatcg gcgtgccggc gaacgaggag tgttgcccgc tcctgggcgg gctcgccgac 300

ctcgacgccg cggtgtgcct ctgcaccgcc atcagggcca acattctcgg catcaagctc 360

aacgtgccca tcgacctgac 380

<210> 7131
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e04b1

<400> 7131

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gtggcgccca tggtggacaa ctcggagcta cccttccgca tgctgtgccg ccgctacggc 120

gccgacgccg cctacacgcc catgctccac tcccgcatct tctccgagaa cgagaagcac 180

agggacatgg agttcactac ctgcaaggag gaccgcccac tttttgttca gttttgtgca 240

aatgatcctg acattttgtt acaagctgca aagctggttg aagcacactg cgactatgtt 300

gatttgaatt ttggatgtcc acagcgcatt gctaaacggg gatactatgg ggcatttctc 360

atggacaacc ttccactcgt taaatcgctt gtgcaaaatc tgtcagag 408

<210> 7132
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e05b1

<400> 7132

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gagcacaagg agaccggctg ccagtctcgg gagggcccca tcctttgcgt caataattgt 120

ggcttcttcg gcagcgcggc gaccatgaac atgtgctcca agtgccacaa ggagatggcg 180

atgaagcagg agcaggcaaa gctggccgcc tcctctttcg acagcatcgt caacggtggc 240

gatgccgcga aagaacatct tgctgctggc agcacggcgg tggcagttgc tcacgttgag 300

gcgaagacgc ttattaccgc acagcctgct gatatcgctg gtccaagcga gggggcgatg 360

gagaacccca aaggcccaag ccggtgcagc acctgcagaa agagggtcgg gctgaccgga 420

ttcaactgc 429

<210> 7133
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e09b1

<400> 7133

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ttacaactgc tatgattatt ttggcatcag ttatatcttc aactgtgtcc aatgttttgt 120

taggggagaa ggcagctttt attgtcccga cagcttccac tctatcttat tctaggcatg 180

ctttgtgggg tagtgagtgt ggtattcagg caactggttg tttggttcac aaagactttc 240

gacttgataa ggaaaaaatt tggtctccct gctgtagtat gtccggcttt aggtggtctt 300

ggagcaggtt taatagctct aagataccct ggaatactgt attggggttt caccaatgta 360

gatgaaattc tacatac 377

<210> 7134
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e10b1

<400> 7134

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acccgccgac gacgcgatga ttcccaacct ctccgccctc gagaaccact tcggcgccgc 120

cgccgccggc agcgacgacc tcggcggcct cttctccgcc gacgccgctg gccagctcgc 180

cctcgagttc cccacctgca acgacttcga tgggttccag aaggcgacca aggagatggt 240

gaacaacaag aaggggacca ccacgctctc cttcatcttc gacaagggcg tcatcgtcgc 300

cgccgactcc cgggccagca tgggcggcta catatcctcg caaactgtga ggaaaatcat 360

cgagattaat ccctacatgc tgggaaccat ggctggaggt gctgctgatt gtcagttttg 420

gcatagaaac ttgggggtca agtgcc 446

<210> 7135
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e11b1

<400> 7135

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caaagtctaa tgtaatacag tgcaccatac ccaacctcca tgccagcctt attatttgca 120

tctatgtaat gaataagttg cagtatttat ttatctcaag ggaaaatggc attgcaaaga 180

tttttgctac cttctctctt gatctcagaa gtaccatgta gtattgggca gcttcaaagc 240

tacaaagttt tagtatattt gtgccacaga atatcgaaag ccatacagtt ttggtctgtg 300

tagtctcata aagagatcca tttacgtgtt caatgcctaa cacattccgt cttgtttgaa 360

tgtttgtact attcttataa cccaatgaaa gttgcatttt tcccatcatg tcagctagaa 420

gggaaaattt attggtagtt tgaa 444

<210> 7136
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e12b1

<400> 7136

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tgttgagctg ttcaaagctt gttacaacaa gcatggggat tccaagatag ggatggcctt 180

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ctccatgaga tcgctgatcg gagatcgtct acccaagttc actaaggagg agcaagagaa 360

gctagcgtcc tcatgtgaca tcatggggct taactattac acctccagat tctccaagca 420

tattgatat 429

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<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f02b1

<400> 7137

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tcgaggcgcc gcccaagccc gcggaggcgg atccctcccc cgccgcgtcc aacgggtccg 120

cggcagccgc acccgccgct gccgctcccg ctgctccggt cgccgcggcc aaggcccgagg 180

cggtggcgtc gcccaagttc caggactcga ggtgggtcaa cgggacctgg gacctcagcc 240

ggttcggcaa caccggcggc gccgtcgact gggacgccgt catagacgcc gaggcccagga 300

ggaggaaatg gctggaagat tccccggagg caagtagcag cga 343

<210> 7138
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f03b1

<400> 7138

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaccgggg 120

ggccgccctt ttggaggccc ctttttttcc ccccccctgcc tgcatcttat ttttttttttt 180

ttggggcccc cttaatttaa tttgctggcc gttttt 216

<210> 7139
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f04b1

<400> 7139

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ggctacatat tctaccaaaa ccatggaatc ccatctcaaa tcccagtttc cttcatatgt 180

cacttgaaca gcaccatgta tgatattgca agaaaacctt gtgcgggaca tgctctagga 240

gcagacagga aacttatctc gaaagttgct acatcagtcg atcttcacag aagcatagat 300

cttcctcaca aaccagaagc aagcatagaa gccaatggtg ccggtcagga cgaagaaggc 360

ataagaaatg atcagcatgt 380

<210> 7140
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f05b1

<400> 7140

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ccgagcttct cccccgcccg atcgccatgg ccgccccgac ggccttcgcc gccgccaggt 180

tcctcccctc cgcccacctc gactcctccg cgcgactcgc cccgctcgcc gcgattcgcc 240

ccagcctttg gagggaagac cggtcctgcc tagagtggct tcgtggcagg gagccccgtt 300

ctgtggtgta cgtcaacttc gggagcatca ctaccatgac cggccaagag ctggtggagt 360

tcgcttgggg gt 372

<210> 7141
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f06b1

<400> 7141

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ggcggcggcg gcgacgagga ggagacggag caggaggcgc gggcgacgcc gggggcgcgg 180

cggcggcgca cggtgatgaa cctgcggtcg ctgtcgctgg aggacctgtc gcggacgctg 240

gccaccacca gcctgcacgc cttcaccctg gacgagctca agtccgtgac caagaacttc 300

tccaccgcca acttcctcgg cgagggcggc ttcggccccg tctacaaggg ctgcgtcggc 360

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agc 423

<210> 7142
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f07b1

<400> 7142

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ggttaagcaa aagattgtcc tcaagttagc tctggacgac gagaggaaga ggaggaaggc 180

cttcaaggcc gccgttggca tgtcgggcgt gacatccgca acgatggagg gggacaagat 240

catcatcgtc ggggacggcg tcgacccgat cacgctgacc acgatgctcc ggcgcagcct 300

gggc 304

<210> 7143
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f08b1

<400> 7143

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cgggtaccgg tggaggaagt acgggcagaa ggtggtgaag ggcaacccga acccgcggag 180

ctattacaag tgcaccacgg tggggtgccc cgtgcggaag cacgtggagc gcgcgtccca 240

cgacctgcgc gcggtgatca ccacgtacga gggcaagcac aaccacgacg tgccggtcgc 300

caggggagc gccgtgctct actcgcccgc gccacgggcg gcggacagca ccgggagcac 360

cggccactac ctg 373